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In re Application of:

Vladislav OLCHANSKI et al.

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#### DECLARATION UNDER 37 C.F.R. § 1.131

Sir:

I, Louis F. Rossiter, hereby declare that I am a coapplicant in the above-identified patent application and that I
am also a co-inventor of the invention that is described and
claimed in the above-identified patent application. I also
hereby declare that prior to May 15, 2000, my co-inventors and I
conceived of the invention that is described and claimed in the
above-identified patent application as evidenced by the
following:

1. Prior to May 15, 2000, my co-inventors and I conceived of the invention in the United States. At the time of the invention, I owed a duty of assignment of the invention to Chironet, LLC (hereinafter "Chironet").

- 2. Shortly after my co-inventors and T conceived of the invention, my co-inventors and/or I prepared a description of the invention for purposes of defining system requirements and for guiding hardware/software development of a system embodying the invention. A date redacted copy of the description of the invention (i.e., our invention disclosure) is attached hereto as Exhibit A.
- 3. A system embodying the invention as described in our invention disclosure was actively developed until completion of an initial version of the system.
- 4. Upon completion of the initial version of the system, details of the initial version of the system were provided by Chironet to outside patent attorneys for preparation of a provisional patent application encompassing the invention.
- 5. On November 21, 2000, the above-identified provisional patent application was filed. A copy of the filing receipt for this provisional patent application is attached hereto as Exhibit B.
- 6. Between November 21, 2000, and November 20, 2001, my co-inventors and/or I had several discussions regarding our invention disclosure and the provisional patent application with the outside patent attorneys, and provided additional supporting materials to the outside patent attorneys, all intended to assist the outside patent attorneys in converting the

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provisional patent application into a utility patent application encompassing the invention.

7. On November 20, 2000, the above-identified utility patent application was filed. A copy of the filing receipt for the application is attached hereto as Exhibit C.

I further hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DECLARANT.

Louis & Possitor

Date: 11/7/2005

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EXHIBIT A

# SOIX Report System User's Manual

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# The structure of report folders on the SOIX private web site

The structure of report folders on the SOIX private web site is the following:

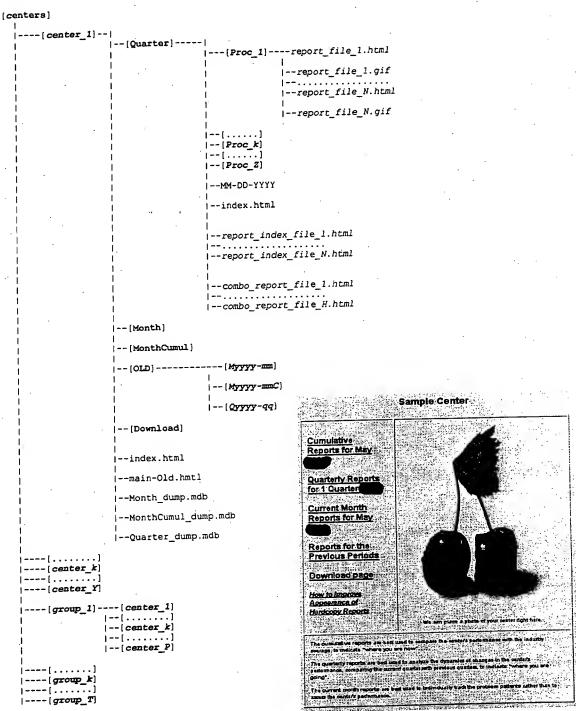


Fig. 2. Home page for Sample center.

Fig.1 The structure of report folders. (All names typed in italic font are used for the generic description. They don't correspond to any real names. Square brackets are used to distinguish folders and files)

They don't correspond to any real names. Square brackets are used to distinguish folders and files)

The folder [centers] is located in the root directory of the SOIX private web server (current location of the root directory is "C:\SOIX\WebSites\SOIX\centers"). Folders [center\_1], ..., [center\_k], ..., [center\_Y] are centers report directories. The name of a center's directory is a three letter USERCODE of the center (Example: AAA,

AAB, MFA). Each centers its own home page - [center\_k] and ex. html file. In Fig.2 you can see an example of the home page.

Each center's folder has involved file structure. Let's consider this structure in more details. Folders [Month], [Quarter] and [MonthCumul] are used to store "Current Month

Report", "Quarterly Reports" and "Cumulative Reports", respectively.

[OLD] folder is used to store "Reports for the Previous Periods". Each folder inside [OLD] represents reports for a certain period. Folders for quarterly reports have [Qyyyy-qq] names, where "yyyy" is a year in four digit format and "qq" is a quarter number with a leading zero (Example: "Q 3" - reports for third quarter of 3. Files for previous monthly reports are located in [Myyyy-mm] folders, and cumulative monthly reports are saved in [Myyyy-mmC] ones, where "yyyy" is a year and "mm" is a month (Example: "M = 04" - monthly reports for . "main-Old.html" file -03C" - cumulative monthly reports for March provides links to reports for the previous periods. You can see an example of this file in Fig. 3. "M

Folder [Download] is used to store center specific files, like "ftprun.run" or updates and

patches for OMS program.

Microsoft Access database files (Month\_dump.mdb, MonthCumul\_dump.mdb and Quarter\_dump.mdb) contain procedure-level data calculated by the report system. These files store data for "Current Month Reports", "Cumulative Reports" and "Quarterly Reports" respectively. Almost all parts of the report system use these files - not the original Medical Record and Patient Interview patient-level tables.

[Month], [Quarter], [MonthCumul] and sub-folders of [OLD] folder contain reports for different periods but all of them have the same structure, so let us consider the [Quarter] folder only. All report pages can be divided into the two groups:

1) report pages that show information only for a specific procedure group (in current version of the report system these files include a chart and a table corresponding to this chart);

2) report pages that include information for all procedure groups on one page (in current

version of the report system these files include tables only).

report\_index\_file\_1.html through report\_index\_file\_N.html are index files for reports that require separate page for each procedure group (first type of reports). These index files do not include any reports, they just provide access to report pages. For example, "ind\_index.html" files (see Fig. 4) contain links to pages were you can get the charts and tables with data for the "General Indicators" reports.

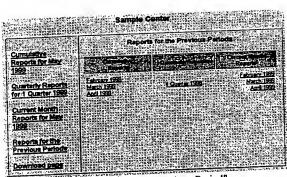


Fig. 3. Main page for "Reports for Previous Period".



Fig. 4. Index file for General Indicators

At this moment the full list of index files is the following:

- Age\_Distribution\_index.html 1.
- anest\_index.html 2.
- ind\_index.html 3.
- payor index.html 4.

Index file for "Age Distribution" reports;

Index file for "Complication by Anesthesia" reports;

Index file for "General Indicators" reports;

Index file for "Complications by Payor" reports;

5. recovtime\_ind\_tml
6. surgtime index.html

Index file for "Recover Time" reports; Index file for "Surgery Time" reports.

combo\_report\_file\_1.html through combo\_report\_file\_H.html are report files for reports where data for all procedure groups are combined in one file. At this moment these files contain tables only and the list of such files is the following:

1. Executive\_Table.html

"The Executive Benchmark Table" report tables;

2. DataTable.html

"Data Tables" report tables.

[Month], [Quarter] and [MonthCumu1] folders contain a special file with the name in the MM-DD-YYYY format. The name of the file is the end date of the reports in the given folder. This file is used by the report system to determine the period of reports. Sub-folders in [OLD] folder do not have this file, because the period of reports can be easily determined using folder's name.

[Proc\_1], [Proc\_2], ..., [Proc\_k], ..., [Proc\_Z] folders represent different procedure groups for reports of the first type (separate pages for each procedure group). The names of these folders are derived from the names of corresponding procedure group by skipping all not alphanumeric characters, leaving "\_" and "-" symbols in unchanged form and changing all spaces to "\_" (Example: the folder for procedure group "D&C/Hysteroscopy" is "DCHysteroscopy", "ENT - T&A < 12" is "ENT - TA\_12"). Each report in these folders is represented by two files: report\_file\_k.html and report\_file\_k.gif. The HTML file includes a table and a chart in GIF format (Example: "Age Distribution" for procedure group "Carpal Tunnel" is represented by the files "Age\_Distribution2.html" and "Age\_Distribution2.gif" in the folder "CarpalTunnel").

[group\_1],..., [group\_k],..., [group\_T] are corporate group folders. They have the same structure as [centers] folder. The name of a corporate group folder is the three-letter USERCODE of the group. For the convenience, currently, corporate group usercodes begin with "ZAA", but there is no special limitations so any letters can be used.

# The structure of the report system

The previous chapter of the documentation described the reports themselves. In this chapter the report system and its relationships with report files will be described.

```
[SOIX_REPORT_SYSTEM]
    [Data]
        Soix.mdb
        -[archive]
             yyyymmdd. zip
         [backup]
         \--- (yyyymdd)
              +---[AAA]
                       MEDUP . DBF
                       PATUP. DBF
                -- (XYZ)
                       MEDUP. DBF
                       PATUP.DBF
         Info.txt
         report.ini
         Executive_Table.log
         Comparison_table.log
DataTable.log
         Data_calculator.log
         Executive Table Paper Reports.log
         ProcDistrib.log
         report.log
         Comparison_table.1st
         Corporate_Members.lst
         DataTable Items.lst
         Executive Table.1st
         Indicators.lst
         LogMessages.1st
         ProcConv.lst
          ProcDistrib.lst
          Sites.lst
          Stagel.1st
          Stage2.1st
          [Templates]
              Sample-Sites.lst
              Full_List_Sites.1st
         -[Paper_Reports]
              Executive Table Paper Reports.exe Comparison table.exe
          [Web_Reports]
              APPENDER.mdb
Chart Generator.exe
Executive Table.exe
DataTable_Creator.exe
Data_Calculator.exe
               ProcDistrib_Creator.exe
          Age_Distribution2.html
Anest.html
          Anest2.html
          ind.html
          ind2.html
          index-Old.html
          loopback.html
          main-Old.html
          main-Template.html
          main.html
          Payor .html
          Payor2.html
          RecovTime2.html
          SurgTime2.html
               index-Old.html
               main-Old.html
               main-Template.html
               main.html
             --[centers]
                    AAA.jpg
                    XYZ.gif
           [NewCenterTemplateFolder]
                [Download]
            --- (Month)
           +--- [MonthCumul]
               - (Ouarter)
               index.html
```

Caution: This tree structure can be easily customized. To simplify the manual, the current tree structure is used, so if you have customized some of the paths then replace the default paths used in the documentation with your own.

main-Old.html

Soix.mdb

This is the main database for SOIX report system. There are two tables inside this file: MEDREC and PATINT2. MEDREC contain all medical records and PATINT2 – all patient interview records. This file is used by Data\_Calculator module only (see the description of this module later).

## [Archive] folder and [Backup] folder

These folders are not used anymore. They were used to store incremental files produced by OMS 2.0.

#### [INI] folder

This folder contains the configuration files. These configuration files are designated for an end user and they allow to define "what reports will be generated". You cannot modify the layouts or mathematical expressions that are used by the report system — "how reports will be generated". These files should be modified every time when new reports are generated. The current version of the SOIX reports system supports one file only.

Caution: The current version of the report system does not have checks of correctness of the parameters in the configuration files, so be very careful when you modify these files. In most cases, you will get a runtime error if there is a typo in the configuration files, but in some cases, if the typo is not a trivial one, the reports will be generated without any error messages but the results will be not the correct ones. Currently, TAB character is not supported, so use spaces to tabulate the configuration files.

#### Report.ini

This file is used to define the periods to generate reports for. The format of the file is the following:

Name\_of\_Parameter=Value.

Comments can be used also. To use comments type a ";" character in the beginning of the comment line. Everything after the ";" character will be ignored by the report system. Almost all modules of SOIX report system use this file. In the APPENDIX, you can see the current version of Report.ini file.

Let's consider all parameters in more details.

Name of field	Allowed values	Description
CalculationDate	mm/dd/yyyy	The report system works in the following way: by default, it determines the current periods for Quarterly and Monthly reports using the current system date. For example, when you run the report system on 9/30. The as the "current month" for reports, it uses the 8th month (August) and as the "current quarter" it uses the 3rd quarter (from June to August). SOIX generates reports on the 15th day of each month and this does not create any problems, but if one of the centers requests to generate reports before the 15th day but after the 1st day of a month then in this case, by default, the report system will use the previous month as the "current month". And this is not what we want because it is too early to generate the new reports (there is no patient interview records for most medical records) – we just want to recalculate the existing reports. So, to solve this problem, this parameter was introduced. If this parameter has empty value then SOIX report system

MinNumberOfCases	Integer	uses the system date as the "cut ate", if it is not empty then it uses a value of this parameter. Also use parameter is required to generate sample reports. There is a special version of "soix mdb" file for sample reports. All records in this database are dated before June so if the system date is used as the datum then only reports for previous periods can be generated, but if you make the CalculationDate equal to any day in June then May is treated as the "current month".  Only procedures that have "MinNumberOfCases" or more cases are shown in the "The Executive Benchmark Table" and in the paper reports.  This is a coefficient before standard deviation to calculate tolerable
Confidence	Real	limits.
		This date is used as the beginning date for the cumulative reports.
FoundationDate	mm/dd/yyyy	Generate quarterly reports?
QuarterlyReports	Yes, No	Beginning quarter for quarterly reports
QuarterStart	1,2,3,4	Beginning year for quarterly reports
QuarterYearStart	уууу	End quarter for quarterly reports
QuarterEnd	1,2,3,4	End year for quarterly reports
QuarterYearEnd	уууу	Generate "current month reports"?
MonthlyReports	Yes, No	Beginning month for "current month reports"
MonthStart	1-12	Beginning year for "current month reports"
MonthYearStart	уууу	End month for "current month reports"
MonthEnd	1-12	End year for "current month reports"
MonthYearEnd	уууу	Generate "cumulative reports"?
CumulativeMonthlyReports	Yes, No	Beginning month for "cumulative reports"
CumulativeMonthStart	1-12	Beginning year for "cumulative reports"
CumulativeYearStart	уууу	End month for "cumulative reports"
CumulativeMonthEnd	1-12	End year for "cumulative reports"
CumulativeYearEnd	уууу	Currently this parameter is not used.
RunMode	L	Currently this parameter is not used.  Currently this parameter is not used.
CleanedDBF		Currently this parameter is not used.  Currently this parameter is not used.
StandardReport	Yes, No	Currently this parameter is not used.
StartDate	mm/dd/yyyy	Currently this parameter is not used.
EndDate	mm/dd/yyyy	Currently this parameter is not used.

# Other configuration files

Currently there is one more configuration file. Its name is "new-soix.ini" and it is located in the Windows main directory (this directory can be determined using %WINDIR% environment-variable). This file is used by all modules as the main purpose of this file is to provide paths to the different components of the report system.

new-soix.ini

The format of the file is the following:

Name\_of\_Parameter=Value

Here is the list of all parameters in this file:

Name of field	Allowed values	Description
	Shared paramet	ers that are used by all modules.
INIPath	A path to a directory.	A path to the folder where INI config files are located.
LogPath	A path to a directory.	A path to the folder where LOG files will be created.
MDBFile	Full path to a file	Full path to the report master database.
LSTPath	A path to a directory.	A path to the folder where LST files are located.
OMS2ArchiveDirectory	A path to a directory.	This parameter was used when OMS 2.0 was used as a front end, so now the parameter is not used.
OMS2BackupDirectory	A path to a directory.	This parameter was used when OMS 2.0 was used as a front end, so now the parameter is not used.

1 - t - Di rogrory	A path to a	A path to the folder where IL template files are located.
emplateDirectory	directory.	
1 dDi woctory	A path to a	A path to the folder where centers upload incremental files.
ploadDirectory	directory.	
i Birractary	A path to a	A path to the folder where centers reports are located.
nternetDirectory	directory.	
Done	motor used h	y the paper report modules only
ran	illietei usea D	
	1 - osh 40 0	A path to the folder where new reports will be generated.
lewReportsInternetDirectory	A path to a	This accompter was introduced as the report generation process
	directory	there is a probability that centers may access
		takes a lot of time and dicte is a process. In this situation centers will not be their reports during this process. In this situation centers will not be
		able access their reports at least, but at the same moment there is a
	1	probability that these actions may interrupt the report generation
•		probability that these actions may interrupt the report generalist
•	_	process.
SavePathForPaperReport	A path to a	This parameter points to the path where paper report will be
Saverachifortupezhopez	directory	
	"Web" or	This parameter defines the way in which the paper report will be
rarget	"Folder"	tyres it is equal to "Folder" than these reports are placed in
	roidei	folder defined by "SavePath+OrPaperKepon parameter, in
	ì	to "Weh" than the paper report files will be
		the senters folders like the modules that generate web-lepotes
	<b>!</b> .	do. This option allows to make these reports available for the access
	1	do. This option allows to make diese reports at all and
		trough the Internet.
		module
Para	meters used t	oy "New_Center_Prepare" module
NTSecDirectory	Name of	This parameter defines a name of the folder where programs from
NISECDIFECCOL	folder	the NETCE C pack are located. These programs are used to set up
		Windows NT permissions for the centers' upload folders.
7/1	Full path to	This parameter defines a full path to apache users file that will
ApacheUsersFile	a file.	
		The same defines a full path to Anache users life ulat will
ApacheUsersFile	Full path to	created from scratch by the "New_Center_Prepare" module. This file
-	a file.	to receipt on access to member sites.
		This parameter defines a full path to an Apache groups file that is
ApacheGroupsFile	Full path to	This parameter defines a full pain to all republic groups
Apacitor of the	a file.	used to restrict an access to member sites.
NewCenterTemplateFolder	A path to a	This parameter points to a directory where template files are store
NewCenterlembracerorder	folder	These files are used to create sites for new centers.
10: 56	"Yes" or	Prepare "upload" folder for a new center?
PrepareUploadStuff	1 -	
	"No"	Prepare "download" folder for a new center?
PrepareDownloadStuff	"Yes" or	Prepare download folder to: 2
Flebalco		
Plepalebo	"No"	. L. LITTA II. Files for a new center?
PrepareHTMLFiles	"No" "Yes" or "No"	Prepare index HTML files for a new center?

# [Log] folder

This folder is used to store log files that are generated by different modules of SOIX report system.

Executive\_Table.log

This file is generated by Executive\_Table module of the report system.

Executive\_Table\_Paper\_Reports.log

This file is generated by Executive\_Table\_Paper\_Reports module of the report system.

DataTable.log

This file is generated by DataTable module of the report system.

Data\_Calculator.log

This file is generated by Data\_Calculator module of the report system.

GrabFile.log



This file is generated by GrabFile module of the report system.

ProcDistrib.log

This file is generated by ProcDistrib module of the report system.

report.log

This file is generated by report module of the report system.

Comparison\_Table.log

This file is generated by Comparison\_Table module of the report system.

#### [LST] folder

This folder contains configuration files like the [INI] folder does. But unlike the [INI] folder, almost all of these files are responsible either for mathematical calculations or for the layout of the reports. So these files should be modified very rarely (Exception is Sites.lst file) only when some changes in the reports themselves are made. Most of these files are a list of strings that have the same structure. Usually each string consists of several fields and the fields are separated by "\*" character.

Caution: The current version of the report system does not have checks of correctness of the parameters in the configuration files, so be very careful when you modify these files. In most cases you will get a runtime error if there is a typo in the configuration files, but in some cases, if the typo is not a trivial one, reports will be generated without any error messages but the results will be not correct ones. Currently, TAB character is not supported, so use spaces to tabulate the configuration files.

Executive\_Table.lst

Executive\_Table.lst is used by Executive\_Table module. This file contains a list of indicators that will be shown in "The Executive Benchmark Table". The format of each string is the following:

Indicator\_Name\*Numerator\*Denominator\*Description\*MinOrMax\*Link

Name of field	Allowable value	Description
Indicator_Name	The same restrictions as whose for field name in MS Access	This is a name of the indicator, this name is used for internal purposes of "Executive_Table" module and as a link to the HTML file that describes the indicator. In Fig. 5, the label number 2 shows the place where this text is used. Some HTML tags may be used (Example:   Some HTML tag
Numerator	the name of a field from "*_dump.mdb" tables	This field is used as the numerator to calculate an indicator.  Expression that is used to calculate indicators is the following:  Indicator = Numerator/Denominator*100%
Denominator	the name of a field from "*_dump.mdb" tables	This field is used as the denominator to calculate an indicator.  Expression that is used to calculate indicators is the following:  Indicator = Numerator/Denominator*100%
Description	any text string	Description of the indicator. In Fig. 5, the label number 1 shows the place where this text is used. Some HTML tags may be used (Example: br>, <i>, <font>), as this text is inserted directly into html files without any parsing.</font></i>

MinOrMax	,	Use "Min" for indicators that should be minimized and "Max" for indicators that should be maximized.
Link	a path to a html file	A path to the html file that describes this indicator. (Example: "/genrep/ind1.html")

In the APPENDIX you can see the current version of Executive Table.1st file.

# Sample Center

# EXECUTIVE BENCHMARK TABLE: INDICATOR STATUS AND TRENDS Quarter 1, 1999 to Quarter 4, 1998

Table was created on 06/30/1999

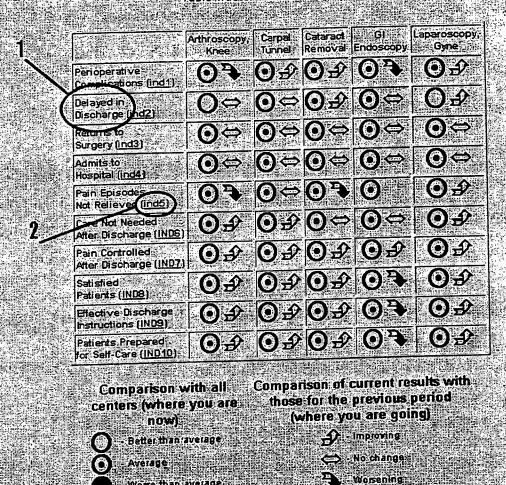


Fig. 5. Example of "The Executive Benchmark Table" table.

DataTableItems.lst

DataTableItems.1st is used by DataTable\_Creator module only.
DataTable\_Creator module generates "Data Tables" file ("DataTable.html").
DataTableItems.1st consist of several sections. Each section corresponds to a separate table in "DataTable.html" file. Strings that are located inside each section are used to customize the rows in tables. Each section begins with the following string:

---Name\_of\_Table\*Total\_by\_Proc\_Flag

		<b>Description</b>
27 66-13	Allowable value	Description
Name of field	Allowable value	
		D 12 - 556

Name_of_Table .	Any text	Name of a table. In Figure the label number 1 shows the place where this text is used. Some HTML tags may be used (Example: br>, <ip>, <font>), as this text is inserted directly into an HTML file without any parsing.</font></ip>
Total_by_Proc_Flag	"TotByProc", ""	If this field equals to "TotByProc" then the last row "Total by Procedure" is calculated for this table, if this field is empty then this last row is not calculated. See Fig 6 labels 2.

Strings, following each section header, describe rows in the table. The format of these strings is the following:

Name\_from\_Dump\_DB\*Row\_Name

Name of field	Allowable value	Description
Name_from_Dump_DB	the name of a field from "*_dump.mdb" tables	Module DataTable_Creator takes the value of Name_from_Dump_DB field in "*_dump.mdb" table and puts this value into the table without any modifications and calculations.
Row_Name	Any text	Name of a row. On Fig. 6 label number 3 shows the place where this text is used. Some HTML tags may be used (Example: 'ci>, <iont>), as this text is inserted directly into an HTML file without any parsing.</iont>

	(Table v	vas cre	ated on C	)6/30/1 <b>999</b>		
	Arthroscopy,	Carpai	Cataract Removal	GI Endoscopy	Laparoscopy, Gyne	Tot
General)	139	3:1	0.	350 W	.34	17
Spinal	28.118	No.	0.1	0.5	0.	
IV/Local-MA	c 2000	8	63 😲	91	O C	Į.E
Local 2	ers Ossa.	5	<b>34 188</b>	0.0	0	Į.
Other	2 035	33	<b>0</b>			3
Total by Procedure	150	49	64	91	34	3

# PAIN AND COMPLICATIONS Site: Sample Center (SMP) Date of Procedure: 01/01/1999 - 03/31/1999 (Table was created on 06/30/1999)

	Arthroscopy, Knee		Cataract Removal	GI Endoscopy	Laparoscopy, Gyne	Total
o Pain No Complications	123	45	62	87	10	327
Pain :	17	4 %	2	3.	23	49
Nausea :::	12:	0	0	10,34953	4	17
Yomiting	6.	0	02	0	2	8
nstability Of Vital Signs	1	0	0		0	2
Respiratory Problems	0.	0	0	0		1

Fig. 6. Example of "Data Tables" file

Indicators.lst

Indicators.lst is used by Chart\_Generator module only. Indicators.lst consist of several sections. Each section corresponds to a separate report (the current version of Chart\_Generator module generates the following reports: "Age Distribution", "Recovery Time", "Surgery Time", "General Indicators", "Complications by Payor", "Complication by Anesthesia"). Each section begins with the following string:

---With\_Tolerance\*Without\_Tolerance\*Chart\_Header\*Chart\_Footer

_	Name of field Allowable value	Description
1	Name of field   Allowable value	<del></del>

With_Tolerance	ame of a HTML file without extension or nothing	The HTML file must be in the [SOIX_Report_Sytem] \ [Template] folder. If this field is empty then the version with tolerance limits of this report is not generated. In the section where folder [SOIX_Report_Sytem] \ [Template] is described you can find more information about internal structure of template files. (Example: for "General Indicators" reports with tolerance zone the template file is "ind.html", so With_Tolerance field equal "ind".  The HTML file must be in the
Without_Tolerance	the name of a HTML file without extension or nothing	[SOIX_Report_Sytem] \ [Template] . If this field is empty then the version with tolerance limits of this report is not generated. In the section where folder [SOIX_Report_Sytem] \ [Template] is described you can find more information about internal structure of template files. (Example: for "General Indicators" reports without tolerance zone the template file is "ind2.html", so With_Tolerance field equal "ind2".
Chart_Header	Any text	This text is used as a header in the report chart. See Fig. 7, label 1. To insert "Enter" in this string use "  " (double vertical bar). Also values of the fields from "*_dump.mdb" tables and values of all indicators calculated inside Chart_Generator module can be used. To use them, use the following format: %Name_Of_FieldThisSite% for current center and %Name_Of_FieldAllSites% for all centers (Example: Total Medical Records field has the name TotMR, so placeholders for it will be %TotMRThisSite% and %TotMRAllSites%). In each section of Indicators.lst file, a user assigns names for each indicator that is calculated by Chart_Generator module – although these names and values of indicators are not saved anywhere, you can still use them in Chart_Header field (Example: In section "General Indicators" indicator with name "indl" is defined, so you can use placeholders %indlAllSites% and %indlThisSite%.)
Chart_Footer	Any text	This text is used as a footer in the report chart. See Fig. 7, label 2. All instruction for Chart_Header field can be used for this field.

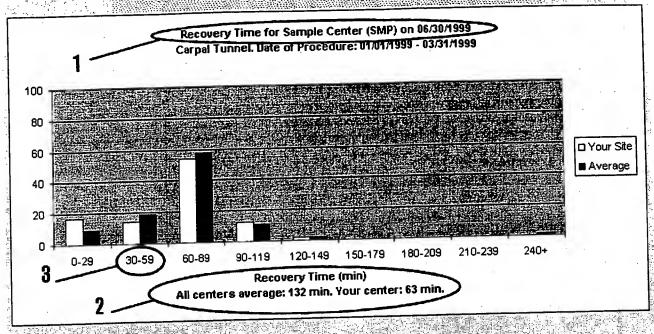
Indicators for each section are described after the section header. The format of indicator description string is the following:

Indicator\_Name\*Numerator\*Denominator\*AxesLabels

Name of field	Allowable value	Description No. 1 was about the cro
Indicator_Name	The same restrictions as whose for field name in MS Access	Used for internal calculations only. Make sure that there is no any field in "*_dump.mdb" files with the same name.
Numerator	the name of a field from "*_dump.mdb" tables	This field is used as the numerator to calculate the indicator. The expression that is used to calculate indicators is the following:  Indicator = Numerator/Denominator*100%
Denominator	the name of a field from "*_dump.mdb" tables	This field is used as the denominator to calculate the indicator. The expression that is used to calculate indicators is the following:  Indicator = Numerator/Denominator*100%
AxesLabels	Any text	This text is used in charts as label of the indicator. To put "*" character use double caret characters ("^^"). See Fig. 7 label 3.

#### Recovery Time

The diagram below shows the level of the medicator echieved in YOUR CEN The AVERAGE level at all the participating content is shown



				00.00	00.449 4	20-149	150-179	180-209	210-239	240+
		0-29 3	U-03	60-89 \$						e de la companya della companya de la companya della companya dell
		理法形式								
TH									REPORT UN	
	All Sites:	8.9	19.0	58.0	10.9	2.0	0.0	0.0	0.0	1.2
	Ratio	44	94	287	54	10	0	0-	0	8
	Cases for Given Ran Total Cases: 495									
	TOTAL CASES									Andrews
	Your Site:	16.7	148	54.2	12.5	2.1	0.0	0.0	0.0	0.0
	Ratio	or test free and the	7		- 6	1	0	0	0	U
	Cases for Given Ran Total Cases: 48									
	1021 Cases				Course, straight of the service of t	Topic magaziti ca 18 alianing n	Internal Conference of Control			

Fig. 7. A sample of report page.

# LogMessages.lst

Almost all report system modules use this file. This file defines different log messages. The format of each string is the following:

where Message\_Name is a name of message (report system modules use this name to refer to log messages) and Text\_of\_Message is a text of message. Usually a message text is much longer then Message\_Name, so the main purpose of LogMessages.lst file is to eliminate extra text and also this 1st file allows to attain the similarity of log messages throughout all modules. See the current version of this file in the APPENDIX.

# Comparison\_table.lst

This file is used by Comparison\_table module. It is divided into several sections. Each section begins with a header and represents a separate group of indicators in "Comparison Table" (paper reports). The format of the header is:

where Header\_of\_indicator\_group contains a text that will be used as a header of indicator group (See Fig 8, label 1). If Header\_of\_indicator\_group is empty then no header is used and all indicators in this group have a bold font (see Fig. 8, label 3).

Each section is followed by indicator definitions. The format of these definitions is the following:

Numerator\*Denominator\*Descipting\_Text\*

Name of field	Allowable value	Description
Numerator	the name of a field from "*_dump.mdb" tables	This field is used as a denominator to calculate the indicator. The expression that is used to calculate indicators is the following:  Indicator = Numerator/Denominator*100%
Denominator	the name of a field from "*_dump.mdb" tables	This field is used as the denominator to calculate the indicator. The expression that is used to calculate indicators is the following:  Indicator = Numerator/Denominator*100%. If Denominator is empty then Numerator is used only and the expression becomes as Indicator=Numerator
Descipting_Text	Any text	Name of a row. In Fig. 8, the label number 2 shows the place where this text is used. Some HTML tags may be used (Example: str>, <i>, <font>), as this text is inserted directly into an HTML file without any parsing.</font></i>

Corporate\_Members.lst

Almost all modules use this file. This file describes corporate members. Each corporate member is represented by a separate section. All sections have a header. The format of headers is:

---GroupName\*GroupUsername\*GroupUserCode\*members\_access

where GroupName is a name of the group; GroupUsername is a username of the group (this username is used to access reports); GroupUserCode is a three-letter usercode of the group; members\_access ("Yes" or "No") is used to restrict the access of separate members to the reports. members\_access is used by "New\_Center\_Prepare" module to customize Apache ".htaccess" files. If members\_access="Yes" than the separate members of the group can access their reports otherwise only GroupUsername can be used to access the reports.

The header of the section is followed by a list of usercodes of centers that belong to the group. The usercodes are separated by "Enter" key.

# Comparison Tab. - Sample Center

YOUR PROCEDURE GROUPS										
3 2 1		oscopy, nee		GI SCOPY		ract noval		pal mel	•	nscopy, me
	Your	All Centers	Your	All	Your	Ali	Your Center	All Centers	Your Center	All Centers
Number of Patients	150	1269	91	1372	64	856	49	505	34	388
Time (Minutes)										
Time For Procedure	37	46	176	124	27	26	16	52	31	99
Time For Recovery	98	184	657	454	29	30	63	132	111	362
Time For Patient Intention	4	4	3	3	2	2	4	. 4	3	3
Problems Before Leaving Surgery Center	>									
Percent Normal Discharge	100.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Percent without Problems	82.0	84.9	95.6	97.1	96.9	96.6	91.8	95.0	29.4	36.6
Percent with Post Operative Pain	53.3	61.2	2.2	1.5	4.7	5.3	18.4	14.9	67.6	60.1
Percent Medications Ordered	100.0	100.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0
Percent Pain Relieved	96.3	97.7	50.0	50.0	66.7	71.1	100.0	96.0	100.0	100.0
Percent Pain Prescription Given	99.3	99.0	2.2	1.5	3.1	3.0	100.0	97.6	91.2	90.7

Fig. 8. An example of "Comparison Table" that is used in "Paper Reports".

#### ProcConv.lst

This file is used by Appender and Data\_Calculator. This file defines a mapping table between the CPT codes and the procedure groups. When Appender module appends new data it ignores the "PROC" fields in incremental files and uses this mapping, in the same way Data\_Calculator ignores the existing "PROC" field in the report master database and recreates this field using the mapping. All strings in ProcConv.lst file have the same format:

where CPT\_Code is a five digit CPT code and Procedure\_Group is the name of the corresponding procedure group. See the current version of ProcConv.lst file in the APPENDIX.

#### ProcDistrib.lst

ProcDistrib.lst file is used by ProcDistrib module. It defines what fields from "\*\_dump.mdb" databases should be displayed in the "Case Distribution" table. The format of the file is the following:

Field\_Name\*Descripting\_Text\*

Name of field	Allowable value	Description
Field_Name	the name of a field from "*_dump.mdb" tables	Use only fields that contain absolute number of cases. In current version of the report system almost all fields satisfy this restriction – only the fields with average times do not satisfy.
Descipting_Text	Any text	Name of the column. In Fig. 9, the label number 1 shows the place where this text is used. Some HTML tags may be used (Example: 

À'.	1 . 2 . 15 h	12 mar. 20 12		FREE STORY		
		Case Diet	ribirtion.	1.1		
		Case Disc	inanaa'i	STATE SALES		
	Date of Proc	Addiso 03	M414000	. 10(31)	1000	
	Date of Ploc	euule. Usi	0111333	INVI		
	Salar Salar III	the first care a party of	4 - 44 14	CHOOD.	14. 2×/> C	: II
	able 4	ras create		פבבושו	\$1237AGE	* .
	The state of the s		and a service 6. 5	Seven Bar 1246	Tally and	-

Procedure Name	Center	Medical Records	Patient Interview
Arthroscopic!	GCA	<b>第2</b> 2	2
ACL Repair. (1 center)	Total	2	2
	AAM	10	10
Breast	AAS	19	15
augmentation G centers	RSA	學學	12
	Total	30***	26 ,
	AAD	47	47
The state of the s	AAE	14	14
	AAL	. 8	8
	AAS	10	5,,

(2 centers)		To manufacturary	750555 21 42 75	Fig. 10 LPASS 0 V
		Total	10	
		AAE		j., 1
		AAM	3.	, 3 A.A.
Rhytidecto (4 centers)	my	AAS	为的	
		RSA		1
		Tótal	6	6

Fig. 9. An example of "Case Distribution" table

Current version of the file contains the two strings only:

TotMR\*Medical Records\*
TotPI\*Patient Interview\*

but this list can be easily expanded as a need in new columns arises. Currently, "Case Distribution" table is accessible to the SOIX staff only and is used to get a more complete picture of the current state of the report master database.

Sites.lst

Almost all modules of the report system use this file. It contains information about centers – it describes relationship between usercodes, real names and usernames. The format of this file is:

Three\_Letter\_USERCODE\*real\_Name\_of\_center\*Centers\_Username

where Three\_Letter\_USERCODE is the usercode of the center; real\_Name\_of\_center is the real name of the center and Centers\_Username is the username. Note that string

ALL\*All centers\*

MUST be first. This string defines usercode for all centers.

Stage1.lst

Calculator module only. It descri the mathematical This file is used by Da expressions using the MS SQL language. To get a table that contains procedure level data for a certain period, Data\_Calculator module runs in two stages. On the first stage, the module uses Stage1.1st file to create a "SELECT"-query that combines MEDREC and PATINT2 tables in one table. Instead of the original fields, this table contains new calculated fields that are used to calculate fields in "\*\_dump.mdb" files on the next stage. On this stage, the records are not grouped by procedure groups and centers usercodes - they are still patient-level ones.

The format of strings of this file is the following:

Name\_of\_Field\_1\*SQL\_Expression

Name of field	Allowable value	Description
Name_of_Field_1	The same restrictions as whose for field name in MS Access	When you select a name for this field, make sure that this field must be unique among fields in MEDREC table, PATINT2 table and fields defined in Stage1.1st and Stage2.1st files.
SQL_Expression	Expression in MS SQL language	Use help files for MS Access or Visual Basic to get additional information about MS SQL language. In SQL_Expression field, you can use Name_of_Field_1 fields from other strings of Stage1.lst file, but be careful and do not create an unsolvable situation when in the current string you use another field, but the SQL_Expression for that field uses Name_of_Field_1 for the current string. This is so called "Circular reference".

A simplified version of "SELECT"-query used on the first stage may be written in the following way:

SELECT expression\_1 AS field\_1,...,expression\_k AS field\_k,...,expression\_N AS field\_N FROM table

Name\_of\_Field is used as field\_k and SQL\_Expression is used as expression\_k.

Stage2.1st

This file is used by Data\_Calculator module only. It describes mathematical expressions using MS SQL language. This file is used on second stage of the calculation of MasterTable (later, records from Mastertable are used to populate "\*\_dump.mdb" files). On this stage MasterTable is finally calculated. It contains procedure-level data. Only this procedure-level data is used by other modules on next steps of report generation process.

The format of strings of this file is the following:

Name\_of\_Field\_2\*Data\_Type\_of\_Field\*SQL\_Expression\*Denominator\*

Name of field Name_of_Field_2	Allowable value The same restrictions as whose for field	When you select a name for this field, make sure that this field must be unique among fields in MEDREC table,
	name in MS Access	PATINT2 table and fields defined in Stage1.1st and Stage2.1st files.
Data_Type_of_Field	Text, Long, Single	Defines a type of the field. Currently three data types are supported but this list can be easily expanded.

SQL_Expression	pression in MS SQL language	Use help files for MS A sor Visual Basic to get additional information about MS SQL language. Inside the SQL_Expression you can use Name_of_Field field from other strings of Stagel.lst file, but be careful and do not create an unsolvable situation when in current string you use another field, but SQL_Expression for that field uses Name of Field of current string.
Denominator	Any item from the Name_of_Field_2 list	Most of the fields from Name_of_Field_2 list are absolute numbers of cases, so to get a value for the whole industry, values for different centers must be just summed up. Some of the fields like average times are not applicable to this rule, they contain relative values, so a simple addition cannot be used to calculate the whole industry values. In this case the following mathematical expression is used: $ \frac{\sum_{k=1}^{N} \left( Ind_k \times Denom_k \right)}{Denom_{All}} $ where $Ind_{All}$ — value for the whole industry, $Ind_k$ — value for $k$ center, $Denom$ — denominator for the field. So Denominator defines a field that is the denominator for a given indicator. If Denominator is empty then an ordinary addition is used.

#### [Templates] folder

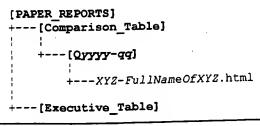
Files in this folder are not used by the report system. The purpose of the folder is to store ready-to-use configuration files for different types of reports. For example, you can use this folder to store configuration files used to generate sample reports. Currently, this folder contains two files only (Sample-Sites.lst and Full\_List\_Sites.lst)—they are two versions of Sites.lst file: one is for the usual reports, another for the sample reports.

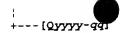
When the list of centers expands, you should modify Full\_List\_Sites.lst file first and then copy it to [LST] folder under Sites.lst name. In this case, there is no need to backup Sites.lst file when sample reports must be generated.

## [Programs] folder

This folder contains all modules of the report system. Currently all modules may be divided into two groups: for "Paper Quarterly Reports" and for "Web Reports". [Paper\_Reports] and [Web\_Reports] folders were created according to this breakdown.

This folder contains modules that are used to generate reports for the "Paper Quarterly Report". The HTML files generated by the paper reports modules are created in the folder defined by "SavePathForPaperReport" (currently it is "C:\SOIX\WebSites\SOIX\Paper\_Reports") parameter in the "new-soix.ini" file. The current structure of the "Paper\_Reports" folder is:





Executive\_Table\_Paper\_Reports.exe

This module generates "Executive table" for the paper quarterly report. It creates HTML files for all quarters defined in report.ini file.

As input files, this module uses:

- 1. "report.ini" defines periods for which the reports are calculated;
- 2. "Executive\_Table.lst" defines indicators that will be used in "Executive table";
- 3. "sites.lst" defines a list of sites for which the reports are calculated;
- 4. "LogMessages.lst" defines a list of log messages;
- 5. "\* dump.mdb" contain data for calculations.

Output files are:

- 1. "Executive\_Table\_Paper\_Reports.log" log file for this module;
- 2. HTML file with the names in the format "UserCode-CentersFullName.html" report files.

Currently the reports are generated for the top five procedure groups only. Constant "NumberOfProcedures" in the Executive\_Table\_Paper\_Reports module defines the number of these procedures.

Comparison\_table.exe

This module generates "Comparison table" for the paper quarterly report. It creates HTML files for all quarters defined in "report.ini" file.

As input files this module uses:

- 1. "report.ini" define periods for which the reports are calculated;
- 2. "Comparison\_table.lst" defines indicators that will be used in "Comparison table";
- 3. "sites.lst" define a list of sites for which the reports are calculated;
- 4. "LogMessages.lst" defines a list of log messages;
- 5. "\*\_dump.mdb" contain data for calculations.

Output files are:

- 1. "Comparison\_table.log" log file for this module;
- 2. HTML file with the names in the format "UserCode-CentersFullName.html" report files.

Currently the reports are generated for the top five procedure groups only.
"NumberOfProcedures" constant in the source code of Comparison\_table.exe module defines the number of procedures.

[Web\_Reports] folder

This folder contains modules of the report system that generate reports provided through the Internet.

This module appends incremental files into "Report Master Database" ("soix.mdb") file. It uses only one configuration file (new-soix.ini). This module scans all centers directories located under upload directory defined by parameter "UploadDirectory" ("new-soix.ini" file) and append incremental records from these folder to the master database (soix.mdb). Appended incremental files are moved to the centers "Backup" folder located under their upload directories.

Chart Generator.exe

This module generates the large part of reports. It creates the following reports:

- Age Distribution, 1.
- Recovery Time, 2.
- Surgery Time, 3.
- General Indicators, 4.
- Complications by Payor, 5.
- Complication by Anesthesia. 6.

As input files this module uses the following ones:

- Corporate Members.lst 1.
- Indicators.lst 2.
- "\* dump.mdb" files 3.
- MasterTable.mdb 4.
- Sites.lst 5.
- 6. LogMessages.lst
- all HTML template files from folder, defined by "TemplateDirectory" parameter in 7. "new-soix.ini" (currently it is [SOIX\_Report\_System]\[Template]).

As it was written in "The structure of report folders on the SOIX private web site", all reports may be divided into two types: the reports which contain data for all procedure groups in one page and whose that have separate page for each procedure group. Actually Chart\_Generator.exe module is the only one that generates reports represented in separate pages. As it was written before, report folders for all periods have special sub-folders for each procedure group (in Fig.1 these folders are shown as [Proc\_1], [Proc\_2], [Proc\_k] and [Proc Z]) and there are the index files (on Fig.1 these files are referred as report\_index\_file\_1.html, ...., report\_index\_file\_M.html) that contain links to this report pages. All these folders and files are generated by Chart Generator.exe. Also, this module refreshes main-Old.hmtl, main page of each center (index.html file that are located directly in the center's folder, not in sub-folders), and index.html files for all recalculated periods.

If centers sent their favorite pictures to place in their report title pages, to use them you should:

- convert pictures to JPEG or GIF format; 1.
- name them using the format "USERCODE.(jpg or gif)" (For Example aaa.jpg, aba.gif).
- put all these files in sub-folder "img\centers" of "SOIX\_Report\_System\Template" 3. folder.

If a center that has a community picture is included in "Sites.lst" the main page and main picture will be updated by Chart\_Generator.exe.

Chart\_Generator. exe module has a very important difference from other report modules. When other report modules are running they update only the report files that they generate – they do not delete any other report files, so there is no need to rerun other modules later. But when the Chart\_Generator. exe module is running, it deletes the whole report folder for a given period, so all other report generating modules should be rerun. Currently such behavior is pretty reasonable because Chart\_Generator. exe module takes more then 90% of time to create new reports.

Executive Table.exe

This module creates "The Executive Benchmark Table" tables for quarter reports. As input files it uses:

- 1. Sites.lst
- 2. Corporate Members.lst
- 3. Executive Table.lst
- 4. LogMessages.lst
- 5. "\* dump.mdb" files
- 6. report.ini
- 7. new-soix.ini

As output files, it creates "Executive\_Table.html" files for all quarters defined in "report.ini" file. This module can be easily modified to generate the reports for other periods, not for quarters only.

DataTable\_Creator.exe

This module generates "Pain, Complication & Patient Satisfaction" tables. Input files:

- 1. DataTableItems.lst.
- 2. Corporate\_Members.lst
- 3. Sites.lst
- 4. "\* dump.mdb" files
- 5. report.ini
- 6. new-soix.ini

#### Output files:

- 1. DataTable.log
- DataTable.html files for each report period defined in "report.ini"

Data\_Calculator.exe

This module calculates procedure-level data for all centers. Only this module and "APPENDER" have direct access to the SOIX main database (soix.mdb file), all other modules just use procedure-level data. This allows to eliminate extra calculations, for example if the layout of several reports is changed then there is no need to recalculate the data, you just run the

necessary modules and the refresh the reports. In most cases it take much less time then when the data should be recalculated.

As input files this module uses:

- soix.mdb 1.
- Corporate Members.lst 2.
- Stage 1.lst 3.
- Stage2.lst 4.
- report.ini 5.
- new-soix.ini 6.
- sites.lst 7.
- LogMessages.lst 8.
- ProcDistrib.lst 9.

#### And output of the module is:

all "\*\_dump.mdb" files; 1.

"MasterTable.mdb" files in "centers\All\MasterTableArchive" folder. 2.

Actually "MasterTable.mdb" files do not contain any new data they just duplicate data in "\*\_dump.mdb" files, but the data organized in a different way - the data for all centers for a given period are stored in one place. For some reports it allows to eliminate extra hard drive access.

ProcDistrib\_Creator.exe

This module creates "Case Distribution" tables. These tables are created for the whole network only. They show case distribution by procedure group and by site inside each procedure group. Currently the number of medical records and patient interviews are present on these tables, but this list can be easily expanded by editing ProcDistrib.lst file.

#### Input files:

- new-soix.ini 1.
- report.ini 2.
- LogMessages.lst 3.
- ProcDistrib.lst

#### Output files:

1. ProcDistrib.log

ProcDistrib.html for all periods defined in report.ini file 2.

#### [Template] folder

Age\_Distribution2.html

This file is a template for "Age Distribution" report. This file used by "Chart\_Generator" module only.

Anest.html

This file is a template for "Complication by Anesthesia" with tolerance zone report. This file used by "Chart\_Generator" module only.

Anest2.html

This file is a template for "Complication by Anesthesia" without tolerance zone report. This file used by "Chart\_Generator" module only.

ind.html

This file is a template for "General Indicators" with tolerance zone report. This file used by "Chart\_Generator" module only.

ind2.html

This file is a template for "General Indicators" without tolerance zone report. This file used by "Chart Generator" module only.

index-Old.html

This file is used for "Reports for Previous Periods". Chart\_Generator.exe module creates index.html files for these reports. This file is used by Chart\_Generator module.

loopback.html

This file is shown instead of reports when a center does not have data for certain period. This file is used by Chart\_Generator, DataTable\_Creator and ProcDistrib\_Creator modules.

main-Old.html

This file is used as main page for reports for previous period. It contains links to these reports. You may see a sample of this file on Fig.3. This file is used by Chart\_Generator module.

main-Template.html

This file is used as main index page for "Current Month Reports", "Quarterly Reports" and "Cumulative reports". This file is used by Chart\_Generator module.

main.html

This file is used as center's main page. This page includes either default SOIX picture or a favorite picture of the center. This file is used by Chart\_Generator module.

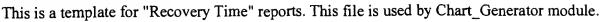
Payor.html

This is a template for "Complications by Payor" reports with tolerance limits. This file is used by Chart Generator module.

Payor2.html

This is a template for "Complications by Payor" reports without tolerance limits. This file is used by Chart\_Generator module.

RecovTime2.html



SurgTime2.html

This is a template for "Surgery Time" reports. This file is used by Chart\_Generator module.

#### [All] folder

This folder contains files that are used for reports for the whole network. Currently there are four files in this folder:

- 1. index-Old.html
- main-Old.html
- main-Template.html
- 4. main.html

They have the same application as corresponding templates in the upper template folder.

#### [Img] folder

This folder stores various images that are used for reports. Currently it contains [centers] folder only. This folder is used to store centers' favorite pictures in the following format: "USERCODE.(jpg or gif)", where USERCODE is three-letter user code of a center (For example: aaa.jpg, aza.gif).

# **How-To Section**

#### How to install the report system

1. Copy whole "Soix\_Report\_System" folder to the directory of you choice on the new computer;

2. Copy file "new-soix.ini" from "Soix\_Report\_System\ini" folder to your windows directory (this directory is defined by "WINDIR" environmental variable – you can check the value of this variable using "set" command by running it in the MS-DOS prompt);

3. Customize the copy of file "new-soix.ini" located in the windows directory – make sure that:

a. Parameters "INIPath", 'LogPath", "MDBFile", "LSTPath", "TemplateDirectory", "NewCenterTemplateFolder" corresponds to the new location of the "Soix\_Report\_System" folder;

b. Parameters "UploadDirectory", "InternetDirectory", "NewReportsInternetDirectory", "SavePathForPaperReport", "ApacheUsersFile", "ApacheGroupsFile" corresponds to the location of the web-server powered by Apache;

c. Parameter "NTSecDirectory" corresponds to the location of "NTSEC" pack of command line utilities for a second command command line utilities for a second command line util

#### How to make backup copies of the report system

The general rule to determine when backup copies should be made is the following: the data that was changes should be backed up at the end of day when these modifications were made. All folders that should be backed up are located on the main server – they are: "C:\SOIX" and "C:\Admin\_Stuff". The destination folder for the backup copies is located on the developer workstation and this folder is "X:\SOIX\_Backups". This folder has sub-folders in the format "yyyy-mm-dd" where "yyyy" is a year, "mm" is a month and "dd" is a day. Each folder corresponds to a backup that was made on "mm/dd/yyyy" day.

If there is no information when the data was changes (so the general rule is not applicable) the following schedule can be used:

1. Folders that should be backed up every day – centers upload folder ("C:\SOIX\WebSites\SOIX\upload") and the marketing databases ("C:\SOIX\Marketing\_DataBases" folder);

2. Whole "C:\soix" folder and "C:\Admin\_Stuff" folder should be backed up every one or two weeks.

To backup data the following steps should made:

Create a folder in the format "yyyy-mm-dd" in the "X:\SOIX\_Backups" folder on the developer workstation (for example if today's day is 07/21/mathan "107-21" folder should be created);

Pack all folders that should be backed up and put the archives into the just created backup destination folder (in our example it will be "X:\SOIX\_Backups\-07-21"). ZIP, ARJ, RAR or any other packing format can be used but ZIP is more preferable as it is more commonly used format. For example if "C:\SOIX\WebSites\SOIX\upload" and "C:\SOIX\Marketing\_DataBases" folders should be backed up, finally you should get two archive files ("Marketing\_DataBases.zip" and "upload.zip") located in the "X:\SOIX\_Backups\-07-21" folder.

3. If the size of a complete backup (when whole "C:\soix" folder and "C:\Admin\_Stuff" folder are backed up) is not more than 650 Mbytes, this backup should be saved on a CDR disk. When the size is more than 650 Mbytes but less then 700 Mbytes when CDR disks can be used too, but in this case special 700 Mbytes (80 minutes) disks should be used.

#### How to generate reports

- Copy the whole "centers" folder ("InternetDirectory" parameter) to the path defined by
  "NewReportsInternetDirectory" parameter (currently it is
  "C:\SOIX\WebSites\SOIX\NEW") in "new-soix.ini" file ("c:\winnt\new-soix.ini").
- 2. Run Appender module ("C:\SOIX\Soix\_Report\_System\Programs\Web\_Reports\APPENDER.mdb"). After it finished, all new records will be added to SOIX Report Master Database ("C:\SOIX\Soix\_Report\_System\Data\soix.mdb") "MDBFile" parameter in the "newsoix.ini" file ("soix.mdb" file).
- 3. Modify "report.ini" ("C:\SOIX\Soix\_Report\_System\INI\report.ini") file to customize the periods and the type of reports to be generated.
- 4. Run "Data\_Calculator.exe". Wait when it finishes.
- 5. Run "Chart\_Generator.exe". Wait when it finishes.
- 6. Run "Executive\_Table.exe". Wait when it finishes.
- 7. Run "DataTable\_Creator.exe". Wait when it finishes.
- 8. Run "ProcDistrib\_Creator.exe". Wait when it finishes.
- 9. Backup current reports ("centers" folder) rename "centers" folder to "OLD".
- 10. Rename the folder defined by the parameter "NewReportsInternetDirectory" to the "centers" folder.
- 11. Now you can delete the "OLD" folder or you can use it to check the new reports by comparing the new reports with old ones.



- 1. Edit "sites.lst" file in the "lst" folder delete all center that do not need reports. DO NOT delete first string where "all" center is defined;
- 2. Execute all steps described in the "How to generate reports" paragraph;
- 3. Copy file Full\_List\_Sites.lst from "lst/template" folder over "sites.lst" file this step is required to be sure that reports for all centers will be generated in the future.

#### How to generate sample reports

- 1. Copy "Soix-Sample.mdb" ("C:\SOIX\Report\_DataBases\Soix-Sample 12-16.mdb") as "Soix.mdb" ("C:\SOIX\Soix\_Report\_System\Data\soix.mdb")
- 2. Modify "NewReportsInternetDirectory" parameter in "new-soix.ini" file to be sure it points to the folder dedicated for sample reports.
- 3. Modify "report.ini" file to customize the periods and the type of reports to be generated. Records of current version of "Soix-Sample.mdb" are dated between August and May so for sample reports parameters in "report.ini" files should be the following:

CalculationDate = 6/1/
FoundationDate = 8/1/
QuarterStart = 4
QuarterYearStart = 4
QuarterYearEnd = 1
QuarterYearEnd = 4
MonthYearStart = 5
MonthYearStart = 5
MonthYearEnd = 5
CumulativeMonthStart = 8
CumulativeYearStart = 5
CumulativeMonthEnd = 5
CumulativeYearEnd = 5
CumulativeYearEnd = 5

- 4. Copy "Sample-Sites.lst" to "Sites.lst
- 5. Run "Data\_Calculator.exe". Wait when it finishes.
- 6. Run "Chart\_Generator.exe". Wait when it finishes.
- 7. Run "Executive\_Table.exe"
- 8. Run "DataTable\_Creator.exe"
- 9. Run "ProcDistrib\_Creator.exe"
- 10. In "Soix-Sample.mdb", the sample center has USERCODE = "SMP" so sample reports will be created in SMP folder under folder defined by "NewReportsInternetDirectory" parameter in "new-soix.ini" file.
- 11. Copy the contents of SMP folder to the folder that is designated for the sample reports and is accessible through the SOIX public web-site.

#### How to add new center

1. Assign a username and a usercode to the center;

2. Add this information plus the full name of the center to the "Full\_List\_Sites.lst" file (currently it is "C:\SOIX\Soix\_Report\_System\LST\Templates\Full\_List\_Sites.lst");

3. Copy "Full\_List\_Sites.lst" to "Sites.lst" file ("C:\SOIX\Soix\_Report\_System\LST\sites.lst");

4. Run "New\_Center\_Prepare" program ("C:\SOIX\General\_Utils\New\_Center\_Prepare.exe");

Add a link to the home page of the center in one of the member homepages (C:\SOIX\WebSites\SOIX\genrep\rep1.shtml, rep2.shtml, rep3.shtml or rep4.shtml – each file represents a set of states).

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## How to customize centers pictures

- 1. Convert the center's picture to GIF or JPG graphic format;
- 2. Rename this picture to "Usercode.(GIF or JPG)" (for example, aaz.gif, aba.jpg);
- 3. Put the picture in the "Img\centers" subfolder of the folder defined by the parameter "TemplateDirectory" in the "new-soix.ini" file (currently it is "C:\SOIX\Soix\_Report\_System\Template\Img\centers");
- 4. Next time when new reports will be generated this change will take effect. To customize the centers picture before the next report generation the following steps should be done:
  - a) Make a copy of the picture in the center's directory;
  - b) Manually edit the center's main home page (index.html file) to change the link from the default picture (currently it is cherries) to their custom picture. Next time when new reports will be generated all these manual changes will be automatically overwritten, so there is no need to undo these manual changed later.

## How to modify the list of CPT codes and procedures

CPT codes and procedures that are supported by the SOIX report system are located in the "ProcConv.lst" file ("C:\SOIX\Soix\_Report\_System\LST\ProcConv.lst"). So this is the only file that should be modified when the list of CPT codes/procedures is modified.

Let us consider different situations:

- 1. Names of some of the procedures are changed just change these names in the "ProcConv.lst". No new strings are added in this case;
- 2. New CPT codes are added or existing CPT codes are merged (no existing codes were deleted) add new CPT codes in the file "ProcConv.lst". If some of the CPT codes were merged than do not delete original codes although they are not used by centers anymore just add new codes that were created after these merges. For example, there were codes 10001 and 10003 and after the merge new code 10005 were created. Codes 10001 and 10003 will not be used by centers anymore (10005 will be used instead) but you should keep these codes (10001 and 10003).
- 3. If some of the codes were eliminated completely (not merged) or SOIX stopped to support them just delete the strings where these codes are described.

## How to add a corporate member

- 1. Assign a username and a usercode to the corporate member;
- 2. Add this corporate member to the "Corporate\_Members.lst" file (see the description of this file in the "The structure of the report system" section, in the "Corporate\_Members.lst" subsection);
- 3. Run "New\_Center\_Prepare" program (currently it is C:\SOIX\General\_Utils\New\_Center\_Prepare.exe).

#### **Appendix**

The Appendix section of this manual contains listings of configuration files used by SOIX report system. These listings are the last versions as August 1,

#### Current version of report.ini file

;Everything that is located after ";" is comments

```
[Rum options]
CalculationDate = ;1/30 ;Date that will be used as creation date in charts and tables ;If there is no date then current date is used

MinNumberOfCases = 20 ;Minimal number of cases that allows to generate reports for the procedure group Confidence = 1.7 ;Coefficient before sigma to calculate tolerable limits

FoundationDate = 1/1/
```

; Yes or No QuarterlyReports =yes ;1,2,3 or 4 QuarterStart ; format is yyyy QuarterYearStart = ;1,2,3 or 4QuarterEnd ;format is yyyy QuarterYearEnd ;Yes or No MonthlyReports ;1 to 12 MonthStart ; format is yyyy MonthYearStart MonthEnd ;1 to 12 ;format is yyyy MonthYearEnd

CumulativeMonthlyReports =yes
CumulativeMonthStart =1
CumulativeYearStart = CumulativeMonthEnd =6
CumulativeYearEnd =

#### Current version of Executive\_Table.lst file

indl\*Nummerl\*TotMR\*Perioperative Compli-<br/>br>cations\*min\*/genrep/indl.htm ind2\*Nummer2\*TotMR\*Delayed in Discharge\*min\*/genrep/ind2.htm ind3\*Nummer3\*TotMR\*Returns to Surgery\*min\*/genrep/ind3.htm ind4\*Nummer4\*TotMR\*Admits to Hospital\*min\*/genrep/ind4.htm ind5\*Nummer5\*Denom5\*Pain Episodes Not Relieved<br/>br>\*min\*/genrep/ind5.htm

IND6\*Nummer6\*TotPI\*Care Not Needed After<br/>
IND7\*Nummer7\*Denom7\*Pain Controlled After<br/>
IND8\*Nummer8\*TotPI\*Satisfied Patients\*max\*/genrep/ind8.htm<br/>
IND9\*Nummer9\*TotPI\*Effective Discharge <br/>
IND10\*Nummer10\*TotPI\*Patients Prepared for <br/>
IND10\*Nummer10\*TotPI\*Patients P

#### Current version of DataTableItems.lst file

```
---PATIENT DISPOSITION*TotByProc
Patient_Dispos_Normal*Normal
Patient_Dispos_RetainedMore3Hrs*Retained >3 hrs
Patient_Dispos_Hospital*Hospital
Patient_Dispos_Reoperated*Reoperated
--- ANESTHESIA * TotByProc
TotEpi*Epidural
TotGen*General
TotSpi*Spinal
TotMAC*MAC
TotBlock*Block
TotTopical*Topical
TotLoc*Local
TotIVC*IV-CON SED
TotOther*Other
TotNone*None
---PAIN AND COMPLICATIONS*
Pain_Complic_NoPain-NoComplic*No Pain, No<br>Complications
Pain_Complic_Pain*Pain
Pain_Complic_Nausea*Nausea
Pain_Complic_Vomiting*Vomiting
Pain_Complic_InabilityToVoid*Inability To Void
Pain_Complic_Bleeding*Bleeding
Pain_Complic_InstabVitalSigns*Instability Of<br>Vital Signs
Pain_Complic_LevelOfConscChanges*Level Of Conscious-<br/>br>ness Changes Pain_Complic_RespirProblems*Respiratory<br/>Problems
---PAIN CONTROL METHODS*
Pain_Control_Meth_PainContrMethExplOnDischarge*Pain Control<br>Methods Explained<br>on
Pain_Control_Meth_PrescrGivenOnDischarge*Prescription<br/>On Discharge
Discharge
Pain Control Meth Pain Verb*Pain Verbalized
Pain_Control_Meth_MedOrdered * Medication < br > Ordered < br > (Who Had Pain)
Pain_Control_Meth_MedAdmin*Medication<br/>Control_Meth_MedAdmin*Medication<br/>br>Administered<br/>(Who Had Pain)
Pain_Control_Meth_MedAdminAndRefused*Medication<br/>
Administered<br/>
And Refused<br/>
(Who
Had \overline{P}ain)
Pain_Control_Meth_PainRelieved*Pain Relieved<br > (Who Had Pain)
---AFTER LEAVING THE SURGERY CENTER*
After_Leave_Surgery_Problems_Might_Have*Knew What Problrms<br/>br>Might Have After_Leave_Surgery_Who_Call*Knew Who To Call After_Leave_Surgery_Meds_To_Use*Knew What<br/>br>Medicines to Use
After Leave Surgery Had Appointment * Had an Appointment
After_Leave_Surgery_Had_All_Info*Had All Information
---POSTOPERATIVE PATIENT INTERVIEW: 
---POSTOPERATIVE PATIENT INTERVIEW: 
Postop_Pat_Int_Complic_AnyProblem*Any Problem
Postop_Pat_Int_Complic_Nausea*Nausea
Postop_Pat_Int_Complic_Vomiting*Vomiting
Postop_Pat_Int_Complic_Fever*Fever
Postop_Pat_Int_Complic_ProblemUrine*Problem Urinating
Postop_Pat_Int_Complic_Bleeding*Bleeding
Postop_Pat_Int_Complic_SignsOfInf*Signs Of Infection
---PAIN MANAGEMENT AT HOME*
Pain_Manag_Home_PostopPainAtHome*Postop Pain<br/>
Pain_Manag_Home_PostopInstrContrPain*Postop Instructed<br/>
br>to Control Pain<br/>
Home
Pain_Manag_Home_ComplWithInstr*Complied with<br>Instructions
 ---PAIN RELIEF AT HOME FOR PATIENTS WHO HAD PAIN*TOTBYProc
 Pain Relief_Home_Completely*Completely
Pain Relief Home Greatly*Greatly
Pain Relief Home Somewhat*Somewhat
Pain Relief Home NotRelieved*Not Relieved
 ---PERCEIVED QUALITY IN REGISTRATION AND ADMISSION PROCESS*TotByProc
 Perceived_Quality_Reg_And_Admis_Excellent*Excellent
 Perceived_Quality_Reg_And_Admis_Good*Good
```

Perceived Quality Reg Ar dmis Fair\*Fair Perceived Quality Reg And Admis Poor\*Poor Perceived Quality Reg And Admis N-A\*N/A

---PERCEIVED QUALITY AT PREADMISSION TESTING\*TotByProc Perceived Quality Preadmis\_Excellent\*Excellent Perceived Quality Preadmis\_Good\*Good Perceived Quality Preadmis\_Fair\*Fair Perceived Quality Preadmis\_Poor\*Poor Perceived Quality Preadmis\_N-A\*N/A

---PERCEIVED QUALITY IN RECOVERY STAGE IN THE CENTER\*TotByProc Perceived Quality Rec\_Stage\_Excellent\*Excellent Perceived Quality Rec\_Stage\_Good\*Good Perceived Quality Rec\_Stage\_Fair\*Fair Perceived Quality Rec\_Stage\_Poor\*Poor Perceived\_Quality\_Rec\_Stage\_N-A\*N/A

#### Current version of Indicators.lst file

```
;General Indicators
---ind*ind2*General Indicators*%Average% Records: %TotMRAllSites%, %You%:
%TotMRThisSite%. %Average% Interviews: %TotPIAllSites%, %You%: %TotPIThisSite%.
ind1*Nummer1*TotMR*ind1
ind2*Nummer2*TotMR*ind2
ind3*Nummer3*TotMR*ind3
ind4*Nummer4*TotMR*ind4
ind5*Nummer5*Denom5*ind5^^
IND6*Nummer6*TotPI*IND6
IND7*Nummer7*Denom7*IND7^^
IND8*Nummer8*TotPI*IND8
IND9*Nummer9*TotPI*IND9
IND10*Nummer10*TotPI*IND10
;ind1 by payor
---payor*payor2*Complications by Payor*%Average% Average Complication Rate:
%IndlAllSites%%. %You%: %IndlThisSite%%.
Care_Ind1*Care*TotCare*Medicare
Aid_Ind1*Aid*TotAid*Medicaid
Com_Ind1*Com*TotCom*Non-Capitated
Cap_Indl*Cap*TotCap*Capitated
Uni Ind1*Uni*TotUni*Uninsured
Wor_Ind1*Wor*TotWor*Workmens Comp
Oth_Ind1*Oth*TotOth*Other
;indl by anesthesia
---anest*anest2*Complications by Anesthesia*%Average% Average Complication Rate:
%IndlAllSites%%. %You%: %IndlThisSite%%.
EPI Ind1*EPI*TotEPI*Epidural
GEN_Ind1*GEN*TotGEN*Genera1
Spi_Indl*Spi*TotSpi*Spinal
MAC_Indl*MAC*TotMAC*MAC
Block_Ind1*Block*TotBlock*Block
Topical_Ind1*Topical*TotTopical*Topical
Loc_Ind1*Loc*TotLoc*Local
IVC_Ind1*IVC*TotIVC*IV-CON SED
Other_Ind1*Other*TotOther*Other
None_{Ind1*None*TotNone*None}
;Surgery Time
---*surgtime2*Surgery Time*Surgery Time (min)||%Average% average:
%Surgtime_AvgAllSites% min. %You%: %Surgtime_AvgThisSite% min.
SURGTIME-\overline{0}-30V*SURGTIME-0-30*SURGTIME_TOT*0-\overline{2}9
SURGTIME-30-60V*SURGTIME-30-60*SURGTIME_TOT*30-59
SURGTIME-60-90V*SURGTIME-60-90*SURGTIME_TOT*60-89
SURGTIME-90-120V*SURGTIME-90-120*SURGTIME_TOT*90-119
SURGTIME-120-150V*SURGTIME-120-150*SURGTIME_TOT*120-149
SURGTIME-150-180V*SURGTIME-150-180*SURGTIME_TOT*150-179
SURGTIME-180-210V*SURGTIME-180-210*SURGTIME_TOT*180-209
SURGTIME-210-240V*SURGTIME-210-240*SURGTIME_TOT*210-239
SURGTIME-240+V*SURGTIME-240+*SURGTIME_TOT*2\overline{4}0+
; Recovery Time
---*recovtime2*Recovery Time*Recovery Time (min)||%Average% average:
Rectime_AvgAllSites% min. %You%: %Rectime_AvgThisSite% min.
RECTIME-\overline{0}-30V*RECTIME-0-30*RECTIME_TOT*0-2\overline{9}
RECTIME-30-60V*RECTIME-30-60*RECTIME_TOT*30-59
RECTIME-60-90V*RECTIME-60-90*RECTIME_TOT*60-89
RECTIME-90-120V*RECTIME-90-120*RECTIME_TOT*90-119
RECTIME-120-150V*RECTIME-120-150*RECTIME_TOT*120-149
RECTIME-150-180V*RECTIME-150-180*RECTIME_TOT*150-179
RECTIME-180-210V*RECTIME-180-210*RECTIME_TOT*180-209
RECTIME-210-240V*RECTIME-210-240*RECTIME_TOT*210-239
RECTIME-240+V*RECTIME-240+*RECTIME_TOT*240+
;Age Distribution
---*Age_Distribution2*Age Distribution*Age (years)||%Average% average:
%Age_Distrib_AvgAllSites% yrs. %You%: %Age_Distrib_AvgThisSite% yrs.
Age_Distrib_0-14V*Age_Distrib_0-14*Age_Distrib_Tot*0-14
Age_Distrib_15-24V*Age_Distrib_15-24*Age_Distrib_Tot*15-24
```

Age\_Distrib\_25-3
Age\_Distrib\_25-34\*Age\_Distrib\_Tot\*
Age\_Distrib\_35-44\*Age\_Distrib\_Tot\*35-44
Age\_Distrib\_45-54V\*Age\_Distrib\_45-54\*Age\_Distrib\_Tot\*45-54
Age\_Distrib\_55-64V\*Age\_Distrib\_55-64\*Age\_Distrib\_Tot\*55-64
Age\_Distrib\_65-74V\*Age\_Distrib\_65-74\*Age\_Distrib\_Tot\*65-74
Age\_Distrib\_75-84V\*Age\_Distrib\_75-84\*Age\_Distrib\_Tot\*75-84
Age\_Distrib\_85+V\*Age\_Distrib\_85+\*Age\_Distrib\_Tot\*85+

#### Current version of LogMessages. 1st file

Report Start Report End ReportStart ReportEnd KillTreeMsg Tree was overwritten or deleted File was overwritten or deleted KillFileMsg Quarter Report is Starting QuarterReportStart Quarter Report is Completed QuarterReportEnd Monthly Report is Starting Monthly Report is Completed MonthReportStart MonthReportEnd Cumul Monthly Report is Starting Cumul Monthly Report is Completed MonthCumulReportStart MonthCumulReportEnd Standard Report is Starting Standard Report is Completed StandardReportStart StandardReportEnd

## Current version of Comparison\_table.lst file

·		
*	*	Number of Patients*
TotMR*		
Time (Minutes)*		Time For Procedure*
SurgTime_Avg*	*	Time For Recovery*
	*	Time For Patient Interview*
RecTime_Avg*	*	Time for Patient Interview
IntTime_Avg*		
- / Commons Conter	*	
Problems Before Leaving Surgery Center	TotMR*	Percent Normal Discharge*
Patient Dispos Normal"	10 0111	Percent without Problems*
Pain Complic NoPain-NoComplic	TotMR*	Percent with Post Operative Pain*
Pain Control Meth PainVerb*	TotMR*	anbspanbsp Percent Medications
Pain_Control_Meth_MedOrdered*	Pain_Control_Meth_PainVerb*	amphamph refeere mental
Pain_Control_Meth_Medoracros	<del>-</del>	D Dain Policyed*
Ordered*	Pain_Control_Meth_PainVerb*	anbspanbsp Percent Pain Relieved*
Pain Control Meth PainRelieved*	To+MD*	Percent Pain Prescription Given*
	10 Crix	Percent Pain Control Methods
Pain_Control_Meth_PainContrMethExplOnDisc	narge-Totak-	
Explained*		
After Leaving the Surgery Center*		Percent That Knew What Problems They
After Leave_Surgery_Problems_Might_Have*	TotPI*	refeeld inde ime.
After_Leave_Surgery_From		
Might Have*	TotPI*	Percent Knew Who to Call*
After_Leave_Surgery_Who_Call*	TotPI*	Percent Knew Medications to Control
After_Leave_Surgery_Meds_To_Use*	TOURT	
n-:-+		Percent with Post Operative
After_Leave_Surgery_Had_Appointment*	TotPI*	
n		Percent Who Had Self Care Info*
After_Leave_Surgery_Had_All_Info*	TotPI*	
Wifei Tease Paracri =	•	
Problems at Home*	•	Percent with Problem Related to
Postop_Pat_Int_Complic_AnyProblem*	TotPI*	rercent with transfer
Postop_Pat_Int_Compile_ALTITODE		- beer Noveont
Procedure*	TotPI*	EnbspEnbsp Nausea*
Postop_Pat_Int_Complic_Nausea*	TotPI*	EnbspEnbsp Vomiting*
Poston Pat Int Complic Vomiting"	TotPI*	Fever*
Doctor Dat Int COMPILE FEVER		anbspanbsp Difficulty Urinating"
Destan Dat Int Complic Problemurine	TotPI*	inhaninhan Bleeding*
Poston Dat Int COMPILE Bleeding	TotPI*	inhaninhan Signs of Intection.
Postop_Pat_Int_Complic_SignsOfInf*	TotPI*	possont Bothered by Pain*
Postop Pat The Compile Standthome*	TotPI*	anbspanbsp Percent with Instruction
Pain_Manag_Home_PostopPainAtHome*	Pain_Manag_Home_PostopPainAtHome*	andspandsp referre with institution
Pain_Manag_Home_PostopInstrContrPain*		n Pellowing
about Pain*	Pain_Manag_Home_PostopPainAtHome*	AnbspAnbsp Percent Following
Pain_Manag_Home_ComplWithInstr*	Faiti_tming_nome_t to tel	
Instructions*	<pre>Pain_Manag_Home_PostopPainAtHome*</pre>	anbspanbsp Percent Completely
Pain_Relief_Home_Completely*	Pain_Manag_Home_Foscopid2:2:0	
Relieved*		
Perceived Quality of Care*		Percent Excellent Quality*
	TotPI*	Percent Excellent Registration and
Nummer8* Perceived_Quality_Reg_And_Admis_Excellen	t*TotPi*	ICTOON DISCOURS OF THE PROPERTY OF THE PROPERT
LetCetAed Angtich ved		Percent Excellent Preadmission
74-100100*	TotPI*	Seldent pydelient ficomities.
Perceived_Quality_Preadmis_Excellent*	• • • • • • • • • • • • • • • • • • • •	Name Pagawary Chagat
m	. TotPI*	Percent Excellent Recovery Stage*
<pre>Testing* Perceived_Quality_Rec_Stage_Excellent*</pre>	· IUCEL	
<del>-</del> =		i i

```
29888* Arthroscopic ACL Repair
67916* Blephroplasty
67921 * Blephroplasty
19325* Breast augmentation
19120* Breast Biopsy
19318* Breast reduction
31622* Bronchoscopy
31625* Bronchoscopy
28290* Bunionectomy
28292* Bunionectomy.
28293* Bunionectomy
28294* Bunionectomy
28296* Bunionectomy
28297* Bunionectomy
28298* Bunionectomy
28299* Bunionectomy
29848* Carpal Tunnel
64721* Carpal Tunnel
66830* Cataract removal
66840* Cataract removal
66850* Cataract removal
66852* Cataract removal
66920* Cataract removal
66930* Cataract removal
66940* Cataract removal
66983* Cataract removal
66984* Cataract removal
45378* Colonoscopy, diagnostic
45380* Colonoscopy with biopsy
45384* Colonoscopy with biopsy
45385* Colonoscopy with biopsy
52000*. Cystoscopy
52005* Cystoscopy
52007* Cystoscopy
52204* Cystoscopy
52281* Cystoscopy
58120* D&C/Hysteroscopy
58558* D&C/Hysteroscopy
43235* EGD
43239* EGD with biopsy
43248* EGD with dilation
43249* EGD with dilation
30520* ENT- Septoplasty
31255* ENT Sinus endoscopy
42820* ENT- T&A < 12
 42826* ENT- Tonsillectomy > 12
 69436* ENT- Tubes
 69631* ENT- Tympanoplasty
 49320* GYN laparoscopy
58660* GYN laparoscopy
 58670* GYN laparoscopy
 58671* GYN laparoscopy
49505* Hernia repair
 49585* Hernia repair
29870* Knee Arthroscopy
 29877* Knee Arthroscopy
 29881* Knee Arthroscopy
 29882* Knee Arthroscopy
 29884* Knee Arthroscopy
 47562* Laparoscopic cholecystectomy
 47564* Laparoscopic cholecystectomy
 19125* Needle localization breast biopsy
 62310* Pain management -epidural
 62311* Pain management -epidural
 64510* Pain management -epidural
 20550* Pain management -injection
 55700* Prostate biopsy
 30400* Rhinoplasty
 15828* Rhytidectomy
 23412* Shoulder Arthroplasty (open)
```

```
23450* Shoulder proplasty (open)
23455* Shoulder proplasty (open)
29815* Shoulder Arthroscopy, dx or tx
29819* Shoulder Arthroscopy, dx or tx
29820* Shoulder Arthroscopy, dx or tx
29821* Shoulder Arthroscopy, dx or tx
29822* Shoulder Arthroscopy, dx or tx
29823* Shoulder Arthroscopy, dx or tx
29825* Shoulder Arthroscopy, dx or tx
29826* Shoulder Arthroscopy, dx or tx
56340* Laparoscopic cholecystectomy
56342* Laparoscopic cholecystectomy
56300* GYN laparoscopy
56302* GYN laparoscopy
56304* GYN laparoscopy
56351* D&C/Hysteroscopy
62275* Pain management -epidural
62278* Pain management -epidural
62289* Pain management -epidural
62298* Pain management -epidural
```

## Current version of Sites.lst file

#### ;"ALL" MUST BE FIRST

****	All Centers*	
ALL*	Central Indiana Orthopedic Surgery Center*	daniel
aaa*	Central Indiana Orthopedic Surgery Contest	helen
aab*	The Laser and Surgery Center*	debbie
aac*	Genesis Surgery Center, LLC*	jones
aad*	Valley Ambulatory Surgery Center*	shannon
aae*	Roper West Ashley Surgery Center*	jennifer
aaf*	UPMC Monroeville Ambulatory Surgery*	johnson
aag*	Specialists Ambulatory Surgery Center*	steve
aah*	Elliot 1-DAY Surgery Center*	
aai*	Endoscopy Center of Oakridge, LLC*	kenny
aak*	Aestique Medical Center*	nancy
aal*	The Clinic Surgery and Eve Center, LLP*	matthew
aam*	Sullivan Centre For Plastic & Reconstructive Surgery*	nelson
aan*	Abington Surgical Center*	allen
aap*	Roseburg Surgicenter, LTD*	tinker
aag*	Proctology Associates*	lime
aar*	University Suburban Health Center*	peter
aas*	tincoln Surgery Center*	karen
	Gastroenterology Associates, Inc. & The Endoscopy Center*	elaine
aat*	Sandusky Plastic Surgery*	tom
aau*	Decatur Ambulatory Surgery Center*	brian
aav*	The Bay Area Surgery Center*	jim
aaw*	Center for Special Surgery*	carry
aax*	The Kirklin Clinic Ambulatory Surgery Center*	terry
aay*	The Kirklin Clinic Ambulatory Surgery Source	tonya
aaz*	Jefferson Memorial Surgery Center*	gene
aba*	Ohio Surgery Center, LTD*	paper
abb*	Helix Health Surgi Center at Pasadena*	weight
abc*	EYE HEALTH ASSOCIATES OF WNY, PC*	program
abd*	Grand Island Surgery Center*	phone
abe*	Zanesville Surgery Center*	doctor
abf*	WILLIAM E BECKER MD PA ASC*	desk
abg*	Maryville Surgical Center*	billy
abh*	Central Utah Surgical Center*	rebecca
abi*	Mt. Ogden Surgical Center*	ben
abj*	Davis Surgical Center*	plug
abk*	Great Basin Surgical Center*	sam
abl*	Minimally Invasive Surgery Center*	summer
abm*	plastikos Surgery Center*	pencil
abn*	Endoscopy Center of Pennsylvania*	apple
abo*	Fox Valley Orthopaedic Institute*	winter
abp*	Surgiplex*	sand
abq*	Northwest Surgery Center, LLC*	fall
abr*	Morcy Anderson Ambulatory Surgery*	speak
abs*	Urology Specialty & Surgery Ctr of Swith	sing
abt*	Commonwealth Orthopaedics*	spring
abu*	Virginia Eye Institute, Inc*	trident
abv*	Reston Hospital Center*	jacket
abw*	GT Endoscopy Center*	alan
abx*	Blake Woods Medical Park Surgery Center	jenny
aby*	Norfolk Surgery Center*	mike
abz*	The Cookeville Surgery Center*	
aca*	The Ambulatory Care Center*	timon hammer
acb*	Southern Surgery Center*	
acc*	Findley Surgery Center*	nail
ace*	Central Plains CL Surgery & Diagnostic*	indian
acf*	Frederick Surgical Center*	soda
	Surgery Center of Ft. Collins*	play
acg*	Straith Clinic, PC*	rest
ach*	Effingham Ambulatory Surgery Center*	trip
aci*	Flagstaff Outpatient Surgery Center*	decker
aza*	Lakeview Medical Center, Inc.*	stovall
lva*	Surgery Center of Southern Oregon, LLC*	diana
mfa*	Surgery Center of Southern Stagen,	barnes
msa*	The Microsurgery Center*	andrews
mva*	Mississippi Valley Surgery Center, LLC*	miller
qca*	Quad City Ambulatory Surgery Center*	thomas
rsa*	Virginia Ambulatory Surgery Center*	cornell
sba*	Surgicenter of Baltimore*	barker
sca*	South Coast Surgery Center, LLC*	

#### Current version of Stage1.1st file

```
;Last Updated: 04/14/
 DOP*
 PAYOR*
 DISPOSITIO*
 RECTIME*
 SURGTIME*
 INTTIME*
 AGE*
            ;Anesthesia*Anesthesia
  ;Miscellaneous (PATINT2)
            ;INTTIME2*IIf(TimeDiff([START], [ENDTIME]) < 0, 0, TimeDiff([START], [ENDTIME]))
Disp3*IIf(DISPOSITIO="3",True,False)
Disp2*IIf(DISPOSITIO="2",True,False)
  ;Miscellaneous (MEDREC)
  Anesthesia3*Left(Anesthesia,3)
   PAYOR3*Left (PAYOR, 3)
PV*IIf (pvl="Y", True, False)
PR*IIf (prl="Y", True, False)
  Ind2Threshold*
  Nummer1 1*IIf (Pain_Complic_Nausea_1 OR Pain_Complic_Vomiting_1 OR Pain_Complic_InabilityToVoid_1 OR Pain_Complic_Bleeding_1 OR Pain_Complic_InstabVitalSigns_1 OR Pain_Complic_LevelOfConscChanges_1 OR Pain_Complic_RespirProblems_1, True, False)
  Nummer6 1*IIf (Not (IIf(Postop_Pat_Int_Complic_Nausea_1 OR Postop_Pat_Int_Complic_Vomiting_1 OR Postop_Pat_Int_Complic_Fever_1 OR Postop_Pat_Int_Complic_ProblemUrine_1 OR Postop_Pat_Int_Complic_Bleeding_1 OR Postop_Pat_Int_Complic_SignsOfInf_1, True, False)) AND Not (ISNull[PI_IDN)), True, False)

Not (ISNull[PI_IDN)), True, False)
  Not(IsNull(PI_IDN)), True, False)
Nummer7 l*IIf((PATINT2.inspain="Y") And Not(Not(folm="Y") and Not(folcom="Y")) And (usem="Y" Or inscom="Y") And (folm="Y" Or folcom="Y") And (Left(relief,5)="compl") And (phome="Y"), True, False)
Denom7 l*IIf(phome="Y" and Not(Not(folm="Y") and Not(folcom="Y")), True, False)
Denom8 l*IIf((qregadm="Excellent" OR qregadm="N/A") And (qpreadm="Excellent" OR qpreadm="N/A") And (qrecov="Excellent" OR qrecov="N/A") AND (NOT (qregadm="N/A" AND qpreadm="N/A" AND
   qrecov="N/A")), rrue, raise;
Nummer9_l*IIf(Left(prob,1)="Y" And Left(whocall,1)="Y" And Left(med,1)="Y" And
Left(app,1)="Y",True,False)
Nummer10_l*IIf(Left(inf,1)="Y" And Left(prob,1)="Y" And Left(whocall,1)="Y" And Left(med,1)="Y" And
Left(app,1)="Y",True,False)
   ; rain and Complications (MEDREC)

Pain_Complic_Pain_1*IIf(LEFT(PAIN1,1)="Y" OR LEFT(PAIN2,1)="Y" OR LEFT(PAIN3,1)="Y",True,False)

Pain_Complic_Pain_1*IIf(LEFT(NAUS1,1)="Y" OR LEFT(NAUS2,1)="Y" OR LEFT(NAUS3,1)="Y",True,False)

Pain_Complic_Vomiting_1*IIf(LEFT(VOM1,1)="Y" OR LEFT(VOM2,1)="Y" OR LEFT(VOM3,1)="Y",True,False)

Pain_Complic_InabilityToVoid_1*IIf(LEFT(INVOID1,1)="Y" OR LEFT(INVOID2,1)="Y" OR

LEFT(INVOID3,1)="Y",True,False)

Pain_Complic_Pleeding_1*IIf(LEFT(MEDREC_PLEED)_1)="Y" OR LEFT(MEDREC_PLEED)_1)="Y" OR LEFT(MEDRE
     Pain Complic Bleeding_1*IIf(LEFT(MEDREC.BLEED1,1)="Y" OR LEFT(MEDREC.BLEED2,1)="Y" OR LEFT(MEDREC.BLEED3,1)="Y",True,False)
Pain Complic InstabVitalSigns_1*IIf(LEFT(IVS1,1)="Y" OR LEFT(IVS2,1)="Y" OR LEFT(IVS3,1)="Y",True,False)

LEFT(IVS3,1)="Y",True,False)

Pain Complic LevelofConscChanges 1*IIf(LEFT(IOC1 1)="Y" OR LEFT(IOC2 1)="Y" OR LEFT(IO
     Pain Complic LevelOfConscChanges_1*IIf(LEFT(LOC1,1)="Y" OR LEFT(LOC2,1)="Y" OR LEFT(LOC3,1)="Y", True, False)
Pain Complic RespirProblems_1*IIf(LEFT(RESP1,1)="Y" OR LEFT(RESP2,1)="Y" OR LEFT(RESP3,1)="Y", True, False)
       Pain_Control_Meth_PrescrGivenOnDischarge_1*IIf(LEFT(PPG,1)="Y" ,True,False)
        ; Pain Control Methods (MEDREC)
       Pain_Control_Meth_PainContrMethExplOnDischarge_1*IIf(LEFT(PCME, 1)="Y" ,True, False)
      Pain_Control_Meth_PainVerb_1*IIf(LEFT(PV1,1)="Y",True,False)
Pain_Control_Meth_MedOrdered_1*IIf(LEFT(MO1,1)="Y",True,False) AND Pain_Control_Meth_PainVerb_1
Pain_Control_Meth_MedAdmin_1*IIf(LEFT(MA1,1)="Y",True,False) AND Pain_Control_Meth_PainVerb_1
Pain_Control_Meth_MedAdmin_1*IIf(LEFT(MA1,1)="Y",True,False) AND Pain_Control_Meth_PainVerb_1
        Pain_Control_Meth_MedAdminAndRefused_1*IIf(LEFT(MA1,1)="R",True,False) AND Pain_Control_Meth_PainVerb_1
         Pain_Control_Meth_PainRelieved_1*IIf(LEFT(PR1,1)="Y",True,False) AND Pain_Control_Meth_PainVerb_1
      ;After Leaving the Surgery Center (PATINT2)
After Leave Surgery Problems Might Have 1*IIf(Left(Prob,1)="Y",True,False)
After Leave Surgery Who Call 1*IIf(Left(Whocal1,1)="Y",True,False)
After Leave Surgery Meds_To_Use_1*IIf(Left(Med,1)="Y",True,False)
After_Leave_Surgery_Had_Appointment_1*IIf(Left(App,1)="Y",True,False)
After_Leave_Surgery_Had_All_Info_1*IIf(Left(Inf,1)="Y",True,False)
       Postop Pat Int Complic Nausea 1*IIf(PATINT2.nausea3="Y" Or PATINT2.nausea4="Y" Or PATINT2.nausea5="Y" Or PATINT2.nausea6="Y" Or PATINT2.nausea6="Y". True, False)
Postop Pat Int Complic Vomiting 1*IIf(PATINT2.vomit3="Y" Or PATINT2.vomit4="Y" Or PATINT2.vomit6="Y" O
```

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"Y" Or PATINT2.fever5="Y" Or
                                                                                                                                       ever_1*IIf(PATINT2.fever3="Y" Or PATINT2.fe
Postop Pat Int Comp
PATINT2.fever6="Y" C .TINT2.fever7="Y",True,False)
Postop Pat Int Complic ProblemUrine 1*IIf(PATINT2.urine3="Y" Or PATINT2.urine4="Y" Or PATINT2.urine5="Y" Or PATINT2.urine5="Y" Or PATINT2.urine5="Y" Or PATINT2.urine5="Y" Or PATINT2.urine5="Y",True,False)
Postop_Pat_Int_Complic_Bleeding 1*IIf(PATINT2.bleed3="Y" Or PATINT2.bleed4="Y" Or PATINT2.bleed5="Y" Or PATINT2.bleed6="Y" Or PATINT2.bleed6="Y" Or PATINT2.bleed7="Y", True, False)
Postop Pat Int_Complic_SignsOfInf_1*IIf(PATINT2.infec3="Y" Or PATINT2.infec4="Y" Or PATINT2.infec6="Y" Or PATI
 ; Postoperative Complications (PATINT2) -- Old Version
;Postoperative Complications (PATINT2) -- Old Version
;Postop_Pat_Int_Complic_Nausea 1*IIf(Left(Nausea1,1)="Y",True,False)
;Postop_Pat_Int_Complic_Vomiting_1*IIf(Left(Vomit1,1)="Y",True,False)
;Postop_Pat_Int_Complic_Fever_1*IIf(Left(Fever1,1)="Y",True,False)
;Postop_Pat_Int_Complic_ProblemUrine_1*IIf(Left(Urine1,1)="Y",True,False)
;Postop_Pat_Int_Complic_Bleeding_1*IIf(Left(Patint2.Bleed1,1)="Y",True,False)
;Postop_Pat_Int_Complic_SignsOfInf_1*IIf(Left(Infec1,1)="Y",True,False)
 Pain Manag Home PostopPainAtHome 1*IIf(Left(Phome,1)="Y",True,False)
Pain Manag Home PostopInstrContrPain 1*IIf(Left(Phome,1)="Y" AND Left(Inspain,1)="Y",True,False)
Pain Manag Home PostopInstrContrPain 1*IIf(Left(Phome,1)="Y" AND (Left(Folm,1)="Y" OR Left(Folcom,1)="Y")
Pain Manag Home ComplWithInstr 1*IIf(Left(Phome,1)="Y" AND (Left(Folm,1)="Y" OR Left(Folcom,1)="Y")
And IsNull(Foloth),True,False)
 ; Pain Relief at Home for Patients Who Had Pain (PATINT2)

Pain Relief_Home_Completely l*IIf(Left(Phome,1)="Y" AND Left(Relief,3)="Com",True,False)

Pain_Relief_Home_Greatly_l*IIf(Left(Phome,1)="Y" AND Left(Relief,3)="Gre",True,False)

Pain_Relief_Home_Somewhat_l*IIf(Left(Phome,1)="Y" AND Left(Relief,3)="Som",True,False)

Pain_Relief_Home_NotRelieved_l*IIf(Left(Phome,1)="Y" AND Left(Relief,3)="Not",True,False)
  ; Perceived Quality in Registr and Admission Process (PATINT2)

Perceived Quality_Reg_And_Admis_Excellent_1*IIf(Left(Qregadm,3)="Exc",True,False)

Perceived_Quality_Reg_And_Admis_Good_1*IIf(Left(Qregadm,3)="Goo",True,False)

Perceived_Quality_Reg_And_Admis_Fair_1*IIf(Left(Qregadm,3)="Fai",True,False)

Perceived_Quality_Reg_And_Admis_Poor_1*IIf(Left(Qregadm,3)="Poo",True,False)

Perceived_Quality_Reg_And_Admis_N-A_1*IIf(Left(Qregadm,3)="N/A",True,False)
     ; Perceived Quality at Preadmission Testing (PATINT2)
   Perceived Quality at Freadmission lesting (PATINT2)
Perceived Quality_Preadmis_Excellent_1*IIf(Left(Qpreadm, 3)="Exc",True,False)
Perceived_Quality_Preadmis_Good_1*IIf(Left(Qpreadm, 3)="Fai",True,False)
Perceived_Quality_Preadmis_Fair_1*IIf(Left(Qpreadm, 3)="Fai",True,False)
Perceived_Quality_Preadmis_Poor_1*IIf(Left(Qpreadm, 3)="Poo",True,False)
Perceived_Quality_Preadmis_N-A_1*IIf(Left(Qpreadm, 3)="N/A",True,False)
  ;Perceived Quality in Recovery stage in the Center (PATINT2)
;Perceived Quality Rec Stage Excellent 1*IIf(Left(Qrecov,3)="Exc",True,False)
Perceived Quality Rec Stage Good 1*IIf(Left(Qrecov,3)="Goo",True,False)
Perceived Quality Rec Stage Fair 1*IIf(Left(Qrecov,3)="Fai",True,False)
Perceived Quality Rec Stage Poor 1*IIf(Left(Qrecov,3)="Poo",True,False)
Perceived Quality Rec Stage Poor 1*IIf(Left(Qrecov,3)="N/A",True,False)
Perceived Quality Rec Stage N-A 1*IIf(Left(Qrecov,3)="N/A",True,False)
  ;Age Distribution (MEDREC)
Age_Distrib_0-14 1*IIf(AGE>0 AND AGE<15, True, False)
Age_Distrib_15-24 1*IIf(AGE>=15 AND AGE<25, True, False)
Age_Distrib_25-34 1*IIf(AGE>=25 AND AGE<35, True, False)
Age_Distrib_35-44 1*IIf(AGE>=35 AND AGE<45, True, False)
Age_Distrib_45-54 1*IIf(AGE>=45 AND AGE<55, True, False)
Age_Distrib_55-64 1*IIf(AGE>=55 AND AGE<65, True, False)
Age_Distrib_55-64 1*IIf(AGE>=65 AND AGE<65, True, False)
Age_Distrib_55-64 1*IIf(AGE>=65 AND AGE<75, True, False)
Age_Distrib_75-84 1*IIf(AGE>=75 AND AGE<85, True, False)
Age_Distrib_05+1*IIf(AGE>=85 AND AGE<120, True, False)
Age_Distrib_05+1*IIf(AGE>=85 AND AGE<-120, True, False)
Age_Distrib_Tot_1*IIf(AGE>0 AND AGE<-120, True, False)
         ; Recovery Time Distrubution (MEDREC)
        RECTIME-0-30_1*IIf(RECTIME>0 and RECTIME<30, True, False)
    RECTIME-0-30_1*IIf(RECTIME>0 and RECTIME<30, True, False)
RECTIME-30-60_1*IIf(RECTIME>=30 and RECTIME<60, True, False)
RECTIME-60-90_1*IIf(RECTIME>=60 and RECTIME<90, True, False)
RECTIME-90-120_1*IIf(RECTIME>=90 and RECTIME<120, True, False)
RECTIME-120-150_1*IIf(RECTIME>=120 and RECTIME<120, True, False)
RECTIME-150-180_1*IIf(RECTIME>=150 and RECTIME<180, True, False)
RECTIME-180-210_1*IIf(RECTIME>=180 and RECTIME<210, True, False)
RECTIME-210-240_1*IIf(RECTIME>=210 and RECTIME<240, True, False)
RECTIME-240+1*IIf(RECTIME>=240, True, False)
RECTIME-TOT_1*IIf(RECTIME>0, True, False)
       ;Surgery Time Distribution (MEDREC)
SURGTIME-0-30 1*IIf(SURGTIME>0 and SURGTIME<30, True, False)
SURGTIME-30-60 1*IIf(SURGTIME>=30 and SURGTIME<60, True, False)
SURGTIME-60-90 1*IIf(SURGTIME>=60 and SURGTIME<90, True, False)
SURGTIME-90-120 1*IIf(SURGTIME>=90 and SURGTIME<120, True, False)
SURGTIME-120-150 1*IIf(SURGTIME>=120 and SURGTIME<150, True, False)
SURGTIME-150-180 1*IIf(SURGTIME>=150 and SURGTIME<180, True, False)
SURGTIME-180-210 1*IIf(SURGTIME>=180 and SURGTIME<210, True, False)
SURGTIME-240-1*IIf(SURGTIME>=210 and SURGTIME<240, True, False)
SURGTIME-240+ 1*IIf(SURGTIME>=240, True, False)
SURGTIME-240+ 1*IIf(SURGTIME>=240, True, False)
          ;Surgery Time Distribution (MEDREC)
          SURGTIME_TOT_1*IIf(SURGTIME>0 ,True,False)
```

```
; Header
                                                                      Count (Site) *
                                        Long*
TotMR*
                                                                      Count(PI_IDN) **
                                        Long*
TotPI*
;General Indicators (MEDREC)
                                                                      Count(IIf(Nummer1 1,True,Null))**
Count(IIf(RECTIME>Ind2Threshold,True,Null))**
                                       Long*
Nummer1*
                                        Long*
Nummer2*
                                                                       Count (IIf (Disp3, True, Null)) **
Count (IIf (Disp2, True, Null)) **
Nummer3*
                                        Long*
Nummer4*
                                        Long*
                                                                       Count(IIf(PV And Not(PR), True, Null)) **
Nummer5*
                                        Long*
                                                                       Count (IIf (PV, True, Null)) **
Denom5*
                                        Long*
;General Indicators (PATINT2)
                                                                       Count (IIf (Nummer6 1, True, Null)) **
Count (IIf (Nummer7 1, True, Null)) **
Count (IIf (Denom7 1, True, Null)) **
                                        Long*
Nummer6*
Nummer7*
                                        Long*
Denom7*
                                         Long*
                                                                       Count (IIf (Nummer5 1, True, Null)) **
Count (IIf (Nummer9 1, True, Null)) **
Count (IIf (Nummer10 1, True, Null)) **
                                        Long*
Nummer8*
                                        Long*
Nummer9*
                                        Long*
Nummer10*
 ;Complications by Payor (MEDREC)
                                                                       Count(IIf(PAYOR="Medicare",True,Null))**
Count(IIf(PAYOR="Medicare" AND Nummerl_1,True,Null))**
Count(IIf(PAYOR="Medicaid",True,Null))**
                                         Long*
 TotCare*
                                         Long*
 Care*
                                          Long*
                                                                        Count(IIf(PAYOR="Medicaid" AND Nummerl_1, True, Null)) **
 TotAid*
                                                                       Count (IIf (PAYOR="Medicaid" AND Nummerl_1, True, Null)
Count (IIf (Payor3="Com", True, Null)) **
Count (IIf (Payor3="Com", AND Nummerl_1, True, Null)) **
Count (IIf (Payor3="Cap", True, Null)) **
Count (IIf (Payor3="Uni", True, Null)) **
Count (IIf (Payor3="Uni", True, Null)) **
Count (IIf (Payor3="Uni", AND Nummerl_1, True, Null)) **
Count (IIf (Payor3="Wor", True, Null)) **
Count (IIf (Payor3="Wor", True, Null)) **
Count (IIf (Payor3="Wor", AND Nummerl_1, True, Null)) **
Count (IIf (Payor3="Oth", True, Null)) **
Count (IIf (Payor3="Oth", AND Nummerl_1, True, Null)) **
                                         Long*
 Aid*
                                          Long*
 TotCom*
                                          Long*
 Com*
 TotCap*
                                          Long*
                                          Long*
 Cap*
                                          Long*
  TotUni*
                                          Long*
 Uni*
                                          Long*
 TotWor'
                                          Long*
 Wor*
                                          Long*
 TotOth*
                                          Long*
  Oth*
                                                                       a (MEDREC)
Count(IIf(Anesthesia3="Epi", True, Null))**
Count(IIf(Anesthesia3="Gen", True, Null))**
Count(IIf(Anesthesia3="Gen", True, Null))**
Count(IIf(Anesthesia3="Gen", AND Nummerl 1, True, Null))**
Count(IIf(Anesthesia3="Spi", AND Nummerl 1, True, Null))**
Count(IIf(Anesthesia3="Spi", AND Nummerl 1, True, Null))**
Count(IIf(Anesthesia3="MAC", True, Null))**
Count(IIf(Anesthesia3="MAC", AND Nummerl 1, True, Null))**
Count(IIf(Anesthesia3="Blo", True, Null))**
Count(IIf(Anesthesia3="Blo", True, Null))**
Count(IIf(Anesthesia3="Top", True, Null))**
Count(IIf(Anesthesia3="Top", AND Nummerl 1, True, Null))**
Count(IIf(Anesthesia3="Loc", True, Null))**
Count(IIf(Anesthesia3="Loc", True, Null))**
Count(IIf(Anesthesia3="Top", True, Null))**
Count(IIf(Anesthesia3="Top", True, Null))**
Count(IIf(Anesthesia3="Top", True, Null))**
Count(IIf(Anesthesia3="Top", AND Nummerl 1, True, Null))**
Count(IIf(Anesthesia3="Top", AND Nummerl 1, True, Null))**
Count(IIf(Anesthesia3="Oth", True, Null))**
Count(IIf(Anesthesia3="Oth", AND Nummerl 1, True, Null))**
Count(IIf(Anesthesia3="Non", True, Null))**
Count(IIf(Anesthesia3="Non", True, Null))**
Count(IIf(Anesthesia3="Non", True, Null))**
   Complications by Anesthesia (MEDREC)
                                          Long*
  TotEpi*
                                          Long*
  Epi'
                                           Long*
  TotGen*
                                           Long*
  Gen*
                                           Long*
  TotSpi*
                                           Long*
  Spi*
   TotMAC*
                                           Long*
                                           Long'
   MAC*
                                           Long*
   TotBlock*
                                           Long*
   Block*
                                           Long*
   TotTopical*
   Topical'
                                           Long*
                                           Long'
   TotLoc*
                                           Long'
   Loc*
   TotIVC*
                                            Long 1
                                           Long*
   IVC'
   TotOther*
                                            Long*
                                            Long*
                                            Long*
    TotNone*
                                            Long*
   None*
    ; Pain Disposition (MEDREC)
                                                                                                                             Count(IIf(DISPOSITIO="1",True,Null))**
Count(IIf(DISPOSITIO="2",True,Null))**
Count(IIf(DISPOSITIO="3",True,Null))**
   Patient Dispos RetainedMore3Hrs*
Patient Dispos Hospital*
Patient Dispos Reoperated*
                                                                                              Long*
                                                                                              Long*
                                                                                               Long*
                                                                                                                             Count(IIf(DISPOSITIO="4",True,Null)) **
                                                                                              Long*
    Patient_Dispos_Normal*
  Count(IIf(Pain_Complic_Pain_1,True,Null))**
Count(IIf(Pain_Complic_Nausea_1,True,Null))**
Count(IIf(Pain_Complic_Vomiting_1,True,Null))**
Count(IIf(Pain_Complic_InabilityToVoid_1,True,Null))**
Count(IIf(Pain_Complic_Bleeding_1,True,Null))**
Count(IIf(Pain_Complic_InstabVitalSigns_1,True,Null))**
     Pain_Complic_RespirProblems*
     ; Pain Control Methods (MEDREC)
```

```
Pain Control_Meth_Pa
Count(IIf(Pain_Contrapeth_P
Pain_Control_Meth_MedOrdered*
                                                                                                         eth_PainVerb_1,True,Null)) *
                                                                                                                                                                                                               Long
 Count(IIf(Pain_Control_Meth_MedOrdered_1, True, Null))
                                                                                                                                                                                                               Long*
 Pain Control_Meth_MedAdmin*
Count(IIIf(Pain_Control_Meth_MedAdmin_l,True,Null))**
Pain_Control_Meth_MedAdminAndRefused* Long*
Count(IIIf(Pain_Control_Meth_MedAdminAndRefused_l,True,Null))**
Pain_Control_Meth_PainRelieved* Long*
Count(IIf(Pain_Control_Meth_PainRelieved_1,True,Null))*
Pain_Control_Meth_PrescrGivenOnDischarge* Long*
Count (IIf (Pain Control Meth_PrescrGivenOnDischarge_1,True,Null)) **
Pain Control Meth_PainContrMethExplOnDischarge* Long*
 Count(IIf(Pain_Control_Meth_PainContrMethExplonDischarge_1,True,Null)) **
   ;After Leaving the Surgery Center (PATINT2)
 After Leave Surgery Problems Might Have* Long*
Count [IIf (After Leave Surgery Problems Might Have 1, True, Null))**
After Leave Surgery Who Call* Long*
                                                                                                                                                                                                                 Long*
Arter_Leave_Surgery_wno_Call* Long*
Count(IIf(After_Leave_Surgery_Who_Call_1,True,Null))**
After_Leave_Surgery_Meds_To_Use* Long*
Count(IIf(After_Leave_Surgery_Meds_To_Use_1,True,Null))**
After_Leave_Surgery_Had_Appointment* Long*
Count(IIf(After_Leave_Surgery_Had_Appointment_1,True,Null))**
After_Leave_Surgery_Had_All_Info*
Count(IIf(After_Leave_Surgery_Had_All_Info*)
Long*
Count(IIf(After_Leave_Surgery_Had_All_Info*)
Long*
   Count(IIf(After_Leave_Surgery_Had_All_Info_1,True,Null))**
 Postop_Pat_Int_Complic_AnyProblem* Long* Count(IIf(Postop_Pat_Int_Complic_Nausea_1 OR Postop_Pat_Int_Complic_Vomiting_1 OR Postop_Pat_Int_Complic_Fever_1 OR Postop_Pat_Int_Complic_ProblemUrine_1 OR Postop_Pat_Int_Complic_Bleeding_1 OR Postop_Pat_Int_Complic_SignsOfInf_1, True, Null))**
   ; Postoperative Complications (PATINT2)
   Postop_Pat_Int_Complic_Nausea* Long*
Count(IIf(Postop_Pat_Int_Complic_Nausea_1,True,Null))**
 Count (IIf(Postop_Pat_Int_Complic_Nauses_1, Long*
Postop Pat Int Complic_Vomiting* Long*
Count(IIf(Postop_Pat_Int_Complic_Vomiting_1, True, Null))**
Postop Pat Int_Complic_Fever* Long*
Count(IIf(Postop_Pat_Int_Complic_Fever_1, True, Null))**
Postop Pat_Int_Complic_ProblemUrine* Long*
Count(IIf(Postop_Pat_Int_Complic_ProblemUrine_1, True, Null))**
Long*
  Postop_Pat_Int_Complic_Bleeding* Long*
Count(IIf(Postop_Pat_Int_Complic_Bleeding_1, True, Null))**
Postop_Pat_Int_Complic_SignsOfInf* Long*
Count(IIf(Postop_Pat_Int_Complic_SignsOfInf_1, True, Null))**
    ;Pain Management at Home (PATINT2)
   Pain Manag Home PostopPainAtHome* Long*
Count(IIf(Pain Manag Home PostopPainAtHome_1,True,Null))**
Pain Manag Home PostopInstrContrPain* Long*
Count(IIf(Pain Manag Home PostopInstrContrPain 1,True,Null))**
Pain Manag Home ComplWithInstr* Long*
    Count(IIf(Pain_Manag_Home_ComplWithInstr_1,True,Null))**
     ; Pain Relief at Home for Patients Who Had Pain (PATINT2)
                                                                                                                                                                                                                                             Count(IIf(Pain_Relief_Home_Completely_1,True,Null))**
Count(IIf(Pain_Relief_Home_Greatly_1,True,Null))**
Count(IIf(Pain_Relief_Home_Somewhat_1,True,Null))**
Count(IIf(Pain_Relief_Home_NotRelieved_1,True,Null))**
                                                                                                                                                                                Long*
    Pain Relief_Home_Completely*
   Pain_Relief_Home_Greatly*
Pain_Relief_Home_Somewhat*
Pain_Relief_Home_NotRelieved*
                                                                                                                                                                                 Long*
                                                                                                                                                                                  Long*
                                                                                                                                                                                 Long*
  ;Perceived Quality in Registr and Admission Process (PATINT2)
Perceived Quality Reg And Admis Excellent* Long*
Count(IIIf(Perceived Quality Reg And Admis_Excellent 1,True,Null))**
Perceived Quality Reg And Admis_Good* Long*
Count(IIIf(Perceived Quality Reg And Admis_Good 1,True,Null))**
Perceived Quality Reg And Admis_Fair* Long*
Count(IIIf(Perceived Quality Reg And Admis_Fair 1,True,Null))**
Perceived Quality Reg And Admis_Poor* Long*
Count(IIIf(Perceived Quality Reg And Admis_Poor 1,True,Null))**
Perceived_Quality Reg And Admis_N-A* Long* Count(Admis_N-A* Long* Coun
                                                                                                                                                                                                                                                                                 Count(IIf([Perceived_Quality_Reg_And_Admis_N-
    ;Perceived Quality at Preadmission Testing (PATINT2)
Perceived Quality_Preadmis_Excellent* Long*
Count(IIf(Perceived_Quality_Preadmis_Excellent_1,True,Null))**
Perceived_Quality_Preadmis_Good* Long*
Count(IIf(Perceived_Quality_Preadmis_Good_1,True,Null))**
Perceived_Quality_Preadmis_Fair* Long*
Count(IIf(Perceived_Quality_Preadmis_Fair_1,True,Null))**
Perceived_Quality_Preadmis_Foor* Long*
Count(IIf(Perceived_Quality_Preadmis_Poor 1,True,Null))**
      ;Perceived Quality at Preadmission Testing (PATINT2);
Perceived Quality Preadmis Excellent* Long*
     Count(IIf(Perceived_Quality_Preadmis_Poor__1,True,Null))**
Perceived_Quality_Preadmis_N-A* Long* C
A_l],True,Null))**
                                                                                                                                                                                                                                                        Count(IIf([Perceived_Quality_Preadmis_N-
       ; Perceived Quality in Recovery stage in the Center (PATINT2)
      Perceived Quality Rec Stage Excellent* Long*
Count(IIf(Perceived Quality Rec_Stage Excellent_1,True,Null))**
Perceived Quality Rec_Stage_Good* Long*
Count/IIf(Perceived Quality Rec_Stage_Good* Long*
      Count(IIf(Perceived_Quality_Rec_Stage_Good_1,True,Null))**
```

```
ge_Fair* Long*
ty_Rec_Stage_Fair_1,True,Null))**
Perceived_Quality_Re
Count (IIf (Perceived_
Perceived Quality Rec Stage Poor* Long*
Count(IIf(Perceived Quality Rec Stage Poor 1, True, Null))**
Perceived Quality Rec_Stage_N-A*
A_1],True,Null))**
                                                                                                                                         Count(IIf([Perceived_Quality_Rec_Stage_N-
                                                                                                       Long*
                                                                                                 Avg(IIf(AGE>0 AND AGE<120,AGE,Null))*

Count(IIf([Age_Distrib_0-14_1],True,Null))**

Count(IIf([Age_Distrib_15-24_1],True,Null))**

Count(IIf([Age_Distrib_25-34_1],True,Null))**

Count(IIf([Age_Distrib_35-44_1],True,Null))**

Count(IIf([Age_Distrib_45-54_1],True,Null))**

Count(IIf([Age_Distrib_55-64_1],True,Null))**

Count(IIf([Age_Distrib_65-74_1],True,Null))**

Count(IIf([Age_Distrib_75-84_1],True,Null))**

Count(IIf([Age_Distrib_65+1],True,Null))**

Count(IIf([Age_Distrib_65+1],True,Null))**

Count(IIf([Age_Distrib_65-1],True,Null))**
;Age distribution (MEDREC)
                                                                                                                                                                                                              Age_Distrib_Tot* ·
Age Distrib Avg*
Age Distrib 0-14*
Age Distrib 15-24*
Age Distrib 25-34*
Age Distrib 35-44*
Age Distrib 45-54*
                                                                Single*
                                                                Long*
                                                                Long*
                                                                Long*
                                                                Long*
                                                                 Long*
Age_Distrib_55-64*
                                                                 Long*
Age Distrib 65-74*
Age Distrib 75-84*
Age Distrib 85+*
                                                                 Long*
                                                                 Long*
Age_Distrib_Tot*
                                                                 Long'
 Recovery Time Distrubution (MEDREC)
                                                                                                                                                                                            RECTIME_TOT*
                                                                                   Avg(RECTIME)*
Count(IIf([RECTIME-0-30 1], True, Null))**
Count(IIf([RECTIME-30-60 1], True, Null))**
Count(IIf([RECTIME-60-90 1], True, Null))**
Count(IIf([RECTIME-60-90 1], True, Null))**
Count(IIf([RECTIME-90-120 1], True, Null))**
Count(IIf([RECTIME-150-180 1], True, Null))**
Count(IIf([RECTIME-180-210 1], True, Null))**
Count(IIf([RECTIME-210-240 1], True, Null))**
Count(IIf([RECTIME-240+ 1], True, Null))**
Count(IIf([RECTIME-TOT 1], True, Null))**
                                                                                     Avg (RECTIME) *
 Rectime_Avg*
RECTIME-0-30*
                                                  Single*
                                                  Long*
 RECTIME-30-60*
                                                  Long'
 RECTIME-60-90*
                                                  Long*
 RECTIME-90-120*
                                                  Long*
                                                  Long'
 RECTIME-120-150*
                                                  Long*
  RECTIME-150-180*
 RECTIME-180-210*
                                                  Long*
 RECTIME-210-240*
                                                   Long*
 RECTIME-240+*
                                                  Long*
 RECTIME TOT*
                                                  Long*
  ; Surgery Time Distribution (MEDREC)
                                                                                                                                                                                         SURGTIME TOT*
                                                                                         Avg(SURGTIME)*

Count(IIf([SURGTIME-0-30 1], True, Null))**

Count(IIf([SURGTIME-30-60 1], True, Null))**

Count(IIf([SURGTIME-60-90 1], True, Null))**

Count(IIf([SURGTIME-90-120 1], True, Null))**

Count(IIf([SURGTIME-150-180 1], True, Null))**

Count(IIf([SURGTIME-150-180 1], True, Null))**

Count(IIf([SURGTIME-180-210 1], True, Null))**

Count(IIf([SURGTIME-210-240 1], True, Null))**

Count(IIf([SURGTIME-240+ 1], True, Null))**

Count(IIf([SURGTIME_TOT 1], True, Null))**
                                                                                          Avg (SURGTIME) *
 Surgtime_Avg*
SURGTIME-0-30*
                                                            Single*
                                                            Long*
                                                            Long*
  SURGTIME-30-60*
 SURGTIME-60-90*
SURGTIME-90-120*
                                                             Long*
                                                             Long*
  SURGTIME-120-150*
                                                             Long*
                                                             Long*
  SURGTIME-150-180*
                                                             Long*
  SURGTIME-180-210*
                                                             Long*
  SURGTIME-210-240*
                                                             Long*
  SURGTIME-240+*
  SURGTIME_TOT*
                                                             Long*
  ;Miscellaneous (PATINT2)
                                                                                           Avg(IIf(INTTIME>=1 AND INTTIME<=20,INTTIME,Null))*
                                                             Single*
   IntTime_Avg*
```

```
;Format:
;;---Group's Name*Group's Username* Group's UserCode*Allow separate members to access their reports (Yes|No)
;center1
;center2
---ASC Group*pinewood*zaa*no
aba
abh
acd
acd
acc
abi
abj
abg
abk
```

#### Current version of new-soix.ini file

; This file includes paths to Program folder, INI folder and Log folder. ;Edit it and copy to %windir% directory ;Caution: Do not put "\" at the end of folder names ;-----Shared parameters =c:\SOIX\Soix Report\_System\INI **INIPath** =c:\SOIX\Soix\_Report\_System\Log LogPath =c:\SOIX\Soix\_Report\_System\DATA\OMS2\_Archive
=c:\SOIX\Soix\_Report\_System\DATA\OMS2\_Backup OMS2ArchiveDirectory OMS2BackupDirectory =c:\SOIX\Soix\_Report\_System\DATA\SOIX.MDB MDBFile =c:\SOIX\Soix\_Report\_System\lst LSTPath =c:\SOIX\Soix\_Report\_System\TEMPLATE TemplateDirectory =C:\SOIX\WebSites\SOIX\upload UploadDirectory Total =C:\SOIX\WebSites\SOIX\Centers InternetDirectory =C:\SOIX\WebSites\SOIX\NEW NewReportsInternetDirectory ;----for paper reports =c:\SOIX\WebSites\SOIX\Paper\_Reports SavePathForPaperReport Target = Web | Folder =Folder Target ;-----New sites preparation =c:\Admin\_Stuff\NTSec NTSecDirectory =C:\SOIX\\webSites\soix\_users ApacheUsersFile =C:\SOIX\WebSites\soix\_groups ApacheGroupsFile NewCenterTemplateFolder =c:\SOIX\Soix\_Report\_System\Template\NewCenterTemplateFolder =Yes PrepareUploadStuff =Yes PrepareDownloadStuff =Yes PrepareHTMLFiles

EXHIBIT B



21967

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APPLICATION NUMBER

FILING DATE

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TOT CLAIMS IND CLAIMS

60/252,129

WASHINGTON, DC 20006

11/21/2000

75

58367.000002

**CONFIRMATION NO. 8842** 

HUNTON AND WILLIAMS 1900 K STREET N W

**FILING RECEIPT** C000000005733952

Date Mailed: 06/08/2001

Receipt is acknowledged of this provisional Patent Application. It will not be examined for patentability and will become abandoned not later than twelve months after its filing date. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Vladislav Olchanski, Richmond, VA; Viktor E. Bovbjerg, Richmond, VA; Stephen E. Zimberg, Plantation, FL; Louis F. Rossiter, Richmond, VA; Vadim Polyakov, Richmond, VA; Jennifer S. Green, Richmond, VA;

If Required, Foreign Filing License Granted 02/04/2001

Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No

Data entry by : DURHAM, DESHAWN

\*\* SMALL ENTITY \*\*

Title

Medical benchmarking technique

Team: OIPE

Date: 06/08/2001

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**CONFIRMATION NO. 2706** 

**UPDATED FILING RECEIPT** 

OC000000007696775\*

Thomas E. Anderson, Esq. Hunton & Williams 1900 K Street, N.W. Washington, DC 20006-1109

Date Mailed: 03/25/2002

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#### Applicant(s)

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Louis F. Rossiter, Richmond, VA;

"Vadim Polvakov, Richmond, VA;

Jennifer S. Green, Lynchburg, VA;

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/252,129 11/21/2000

Foreign Applications

If Required, Foreign Filing License Granted 01/03/2002

Projected Publication Date: 06/27/2002

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

Title

Performance outcomes benchmarking



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